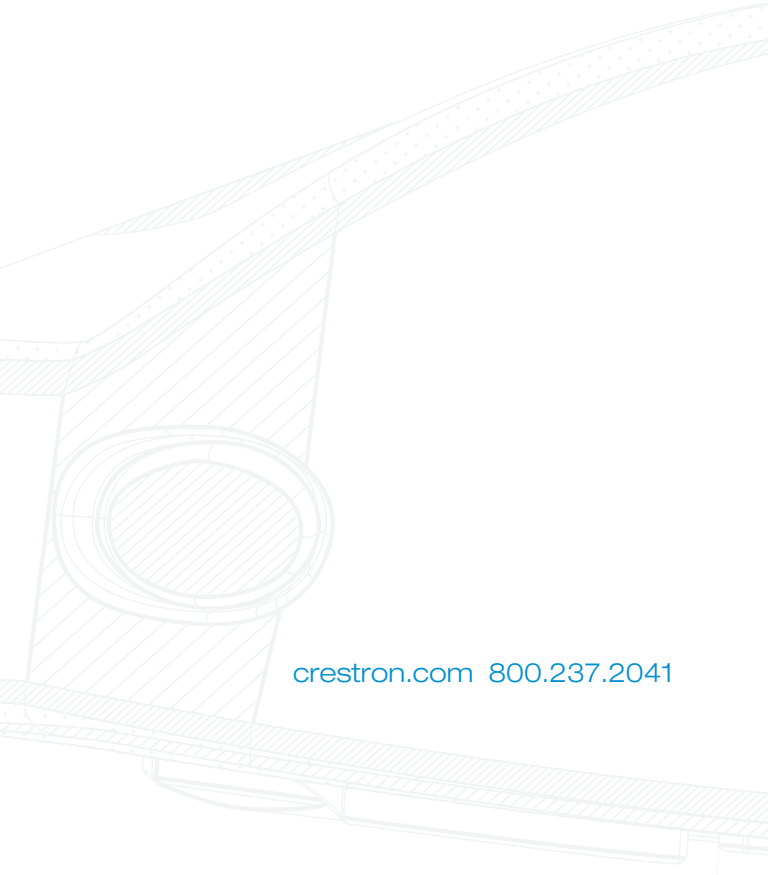
CRESTRON

2014 Product Overview



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Integrated by Design™

For more than 40 years Crestron has been the world's leading manufacturer of advanced control and automation systems. Crestron solutions enable global monitoring, management and control of AV, energy, voice & data, lighting, shades, security, room scheduling, and HVAC on a single platform from a centralized dashboard.

Today's commercial buildings and residences contain more technology than ever before. Most companies build an automation system by interfacing different products and technologies from various vendors. Crestron offers an end-to-end solution that is truly integrated by design. Our full line of products is engineered from the ground up to work together seamlessly. Discover the world of Crestron and see why installers that embrace our philosophy of integration by design are consistently the most successful in the industry.

With the broadest line of hardware and software, Crestron's award-winning control and automation solutions are installed in the most prestigious Fortune 500® companies, universities, and government facilities in the world. You'll also find Crestron systems in the world's finest homes and luxury yachts.

Crestron has 91 fully-staffed offices that provide sales, technical, and training support across the globe. With 24 x 7 x 365 online support, live telephone support, and global on-site field support, our three-tier coverage provides expert help for every situation. Locally, regionally, and internationally, easy access to Crestron engineers and pre- and post-sales specialists ensures rapid issue resolution anywhere in the world. Plus, take advantage of our in-house system designers to help you plan even the most challenging projects. Guarantee the highest-performing implementations and eliminate compatibility issues before they arise.

Transforming great ideas into great customer experiences

At Crestron, we don't just build products; we build automation and control solutions for buildings and homes. All of our products are designed, built, and guaranteed to work together as a complete system, rather than a collection of unrelated parts housed in technology silos. Our solutions lower costs and boost efficiency. They provide greater comfort, convenience, and security.

Building the technology that integrates technology

The amount of technology in buildings and homes is rapidly growing and changing. The most significant change is that everything is now on the network: audio, video, voice, data, lighting, security, digital signage, Building Management Systems (BMS), shades, and heating & cooling systems. The design and implementation of these technologies, however, is typically done independently. As a result, each one operates on a separate platform, adding many layers of complexity and inefficiency.

Crestron builds the technology that integrates all of the disparate systems and devices in buildings and homes on a single open platform so they can communicate and work together intelligently.

We provide the only solution that enables you to monitor, manage and control everything from one platform, anywhere, anytime, using touch screens, remotes, and smart devices.

Improving quality of life at home, at work, at school, at play

People wonder, “Isn’t technology supposed to make my life simpler, instead of more complicated?”

Our award-winning solutions simplify and enhance the lives of millions of people every day, including world leaders, CEOs, teachers, office workers, and homeowners. Our solutions are integral to the daily operations of nearly every Fortune 500® company, hundreds of universities, hotels, healthcare facilities, and government agencies.

Products that work together intelligently

Our products seamlessly integrate to manage and control all the technology in buildings and homes.

Control systems

Network appliances

Digital audio

Digital video

User interfaces

Enterprise Management Software

Infrastructure

Automation sensors

Lighting & shading systems

HVAC

Video Collaboration

Growth through innovation: Industry firsts

You don't earn countless product innovation awards without great ideas, great people, great resources, and key partnerships. Our offices and research labs are home to hundreds of engineers and visionaries with a passion and relentless commitment to push the boundaries of what's possible.

We've cemented and extended our leadership position by forging deep, long-standing partnerships with the world's technology giants, such as Apple®, Cisco Systems®, Microsoft®, Intel®, and Texas Instruments®, working together to conquer technology challenges.

1991
1st graphical programming language and tool set

1993
1st color, video, computer graphics touch screen

1995
1st RF wireless control system - SmarTouch™

1998
1st IP-based control system

1999

1st Internet-based control technology - e-Control®

2001

1st modular touch screen control system - Isys®

2003

1st touch screen emulation technology for PDA, Web tablets, and computers - e-Control 2

2010

1st single-wire digital/analog AV transport technology over CAT5e or fiber

2012

1st control and management platform natively supporting AV, SNMP, and BACnet™/IP

2013

1st distribution system to support wireless, 4K, and streaming

2014

1st end-to-end 4K distribution system and certification program

Global presence, local support

Crestron has offices in every major market and country around the globe. Each is fully staffed to provide sales, technical support, and training, ensuring an identical customer experience wherever you are in the world.

Japan
Headquarters
Tokyo
HQ
HQ
Asia
Headquarters
Hong Kong
HQ
Australia
Headquarters
Sydney

Our Vision – Your Future

Innovations from the Crestron DM® Lab

DM LAB

Hundreds of hardware & software engineers

The Source of Digital Innovation

Digital AV distribution was pioneered in the Crestron DM Lab, and the technology breakthroughs that will set more industry standards continue to be developed here today.

The DM Lab is the source of digital innovation, where hundreds of world-class engineers imagine and create technologies that others have yet to even think about.

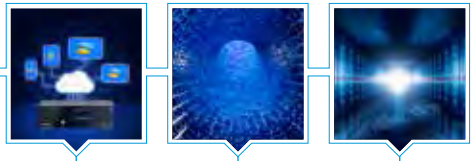
4K CABLE
The only cable that is error-free at 100 meters

4K60 SCALER
Custom hardware engine for unprecedented capabilities

4K DMPS
No-programming-required conference room solutions for today's high resolution laptops

4K OVER FIBER
Campus-wide distribution using SFP technology

UNCOMPRESSED VIDEO OVER ETHERNET
Leverage the network without compromise



STREAMING DISTRIBUTION
Deliver 4K worldwide with h.265 and JPEG 2000

SOFTWARE-DEFINED VIDEO MATRIX
Deliver audio and video distribution as a service

At InfoComm14 we're introducing the world's first complete 4K distribution system with integrated streaming video on one platform. On the near horizon are even more incredible innovations that will change the way 4K and uncompressed streaming HD video are distributed.

Our track record of success, innovation, and engineering excellence continues to propel our industry into the future.

Complete HD AV Signal Distribution on One Unified Platform

For more than eight years, Crestron DigitalMedia™ has been **the industry standard for HD AV signal distribution.** On thousands of installations with over three million devices connected for the world's top clients, DigitalMedia has delivered **proven, reliable, end-to-end signal routing** with numerous advanced features and ultimate performance, all on a single unified platform. DM® continues to offer **the world's best enterprise signal management solution,** now with more options and easier implementation than ever.

Leading the way in 4K

Unlike other manufacturers' offerings, DigitalMedia is **more than 4K ready — it's 4K *already.*** Crestron DigitalMedia is the only end-to-end 4K certified solution to support 4K displays and sources, as well as the latest ultra high-resolution laptops and monitors.

10 Must-haves for Any AV Distribution System

- [x] 1 Streaming H.264 sources
- [x] 2 Cross-platform wireless input for BYOD
- [x] 3 4K input
- [x] 4 Zero-latency wired connections for BYOD
- [x] 5 Video wall capability
- [x] 6 Preview on touch screen
- [x] 7 Wireless streaming output for BYOD
- [x] 8 Direct point-to-point 4K output over twisted pair
- [x] 9 Downscaling of 4K content for HD displays
- [x] 10 Worldwide streaming to other locations with DM switchers

DM Streaming capabilities enable **high-definition signal distribution over existing IP infrastructure,** removing any distance limitations and allowing for the routing of signals wherever new wires can't be run. Ideal applications for DM streaming include digital signage, mobile device connectivity, and signal routing between buildings or global offices. With so many practical applications, **no DM system is complete without streaming.**

DigitalMedia™ Matrix Switchers — Totally Configurable, Totally Scalable, Total Integration!

Every AV system is different. Using Crestron DM® switchers, ***you*** **configure the switcher to meet** ***your*** **requirements** — not the other way around. Fully scalable and modular, Crestron DM switchers can accommodate **any combination of digital and analog sources**, with the ability to **combine copper, fiber, and streaming technologies on a single chassis**.

Routing AV signals is only the beginning. DM matrix switchers include an extensive set of enhancements to address every design challenge you're likely to encounter — **eliminating the need for thousands of dollars worth of extra interfaces and converters**. Rather than treating audio as an afterthought, DM switchers include audio embedding, de-embedding at the inputs *and* outputs, breakaway switching, and DSP down-mixing to enable **simultaneous surround sound and stereo audio from a single source**. Additionally, every input card — even analog — includes a dedicated HDMI output to pass the input signal through to a local AV processor or another switcher.

4K Video capability ensures end-to-end support for 4K Ultra HD and DCI video displays and sources, as well as the latest generation of ultra high-resolution computers and monitors.

H.264 Streaming enables distribution of high-definition video over Ethernet and the Internet to eliminate all distance limitations.

Private Network Mode dramatically simplifies deployment on a corporate or university LAN, effectively hiding all the DM devices from the outside world and requiring just a single IP address for the complete DM system.

SNMP Management through a 2-Series or 3-Series Control System® offers major integration potential, affording customizable control of the complete DM network through third-party IT management software.

Improved EDID management provides fool-proof configuration of all your varied source components, displays, and processors.

DM-MD 8X8, 16X16, & 32X32
4K DigitalMedia™ Switchers

- Provides lossless HD AV signal routing over CAT5e or fiber
- Supports 4K video and 7.1 audio
- Integrates video, audio, networking, and control over one wire
- Affords full matrix switching scalable from 8X8 to 32X32
- HDBaseT® certified
- DM 8G+™ in/out supports 330 ft (100 m) over CAT5e
- DM 8G® Fiber in/out supports 1000 ft (300 m) over multimode fiber
- DM 8G SM Fiber in/out supports up to 7.5 miles (12 km) over single-mode fiber!
- H.264 streaming in/out enables signal distribution over existing IP infrastructure
- Modular input cards available for HDMI®, HDBaseT, DisplayPort Multimode, DVI, VGA, 3G-SDI, RGB, S/PDIF, analog video/audio, H.264 streaming, and all types of DM®
- Output cards available for HDMI, analog audio, streaming, and all types of DM
- QuickSwitch HD® switching and HDCP key management
- Simple EDID signal management
- Integrated Gigabit Ethernet switch with private network mode
- Simultaneous output of stereo and 7.1 surround sound audio
- Integrated device control via CEC, IR, and RS-232
- USB signal routing
- Available with internal redundant power supply

Configure Your Switcher Any Way You Want It

Imagine a professional 4K matrix switcher custom built just for you. That's what you get with the DM-MD8X8, DM-MD16X16, and DM-MD32X32. These modular card-based switchers are **completely configurable using individual input cards and NEW! single-slot output cards.** First, select from **a complete range of digital, analog, and streaming inputs** to accommodate all of your sources. Then, route your signals to your displays and other destinations using **your choice of DM copper or fiber, HDBaseT®, HDMI®, analog audio, and H.264 streaming outputs.** All cards are field-installable, so you can update your switcher with new or different inputs and outputs any time you need to.

DMC Series
Input Cards for DM® Switchers

- Single input cards available with HDMI®, HDBaseT®, DisplayPort Multimode, DVI, 3G-SDI, VGA, RGB, S/PDIF, analog video & audio, H.264 streaming, and all types of DM
- HDMI pass-through port on every input card
- Optional surround-sound downmixing on HDMI, HDBaseT, and DM input cards
- Analog outputs for audio de-embedding on all digital input cards
- **NEW!** Support for 4K via HDMI, HDBaseT, and DM 8G+
- **NEW!** DMC-STR card receives 1080p HD video from IP cameras, encoders, and other DM switchers
- DMC-VGA card provides advanced video processing of analog RGB, component, S-Video, and composite sources
- DMC-VID4 card provides quad window processing of composite sources

DMC-O Series
Output Cards for DM® Switchers

- **NEW!** Single-slot design affords maximum configurability
- Each card provides two independent outputs (except for DMC-STRO, which features dual image compositing)
- Output cards available for HDMI, HDBaseT, 4K, analog audio, H.264 streaming, and all types of DM
- Most DM output cards include an extra HDMI port on one output
- DMC-STRO card transmits streaming video over IP to touch screens, mobile devices, digital signage, and other DM switchers

DM-PSU Series
PoDM Power Supplies

- Centralized power sources for PoDM powered devices
- For use with DM 8G+ input and output cards
- 8 and 16 port models available
- Single-space 19" rack-mountable

Large-Scale, Mission-Critical DM® Switching

For massive projects demanding ultimate reliability, the DM-MD64X64 and DM-MD128X128 are configurable using 8-channel I/O blades and redundant power supplies. Everything from the I/O blades to the power supplies and cooling fans are hot swappable, minimizing or eliminating any down-time.

DM
4K
HDMI
HDBT

DM-MD 64X64 & 128X128
4K DigitalMedia™ Switchers

- Modular design configurable in blades of eight inputs or outputs
- Full matrix switching scalable from 8X8 to 128X128
- DM 8G+™, DM 8G® Fiber, DM 8G SM Fiber, and HDMI® I/O blades available
- HDBaseT® certified
- Supports 4K video and 7.1 audio
- Front panel touch screen for switcher setup, control, and video preview
- QuickSwitch HD® technology manages HDCP keys for fast, reliable switching
- USB signal routing
- Integrated Gigabit Ethernet switch with private network mode
- Easy setup and diagnostics via front panel or web browser
- Onboard hot-swappable redundant power supplies and fan tray; cold swappable CPU
- Fault monitoring and notification via front panel and network

I/O Blades for Massive Projects

Our blade-based DM® matrix switchers provide a clear solution for large-scale projects, offering **up to 128 inputs and 128 outputs in a single chassis.** The DM-MD64X64 and DM-MD128X128 are both configurable using 8-channel I/O blades, packing **maximum I/Os into minimal rack space.** DM switcher I/O blades are hot-swappable, allowing individual blades to be installed or replaced without shutting down the rest of the system.

DMB Series
8-Channel I/O Blades for DM® Switchers

- Input and output blades available for HDMI®, HDBaseT®, DM 8G+™, DM 8G® Fiber, and DM 8G SM fiber
- Support for 4K via HDMI, HDBaseT, and DM 8G+
- All I/O blades are hot-swappable
- **NEW!** AUD-BOB-1602 breakout box adds analog stereo audio connectivity to the HDMI output blade

Easy, Affordable HD Distribution over one CAT5e

These DigitalMedia™ Distribution Centers allow any small office, home, school, bar or restaurant to implement **a professional-grade digital AV solution within any budget**. Featuring DigitalMedia 8G+™ technology, these simple switchers deliver **ultra-reliable, ultra high-bandwidth signal routing over inexpensive CAT5e wiring**, compatible with DM 8G+™ receivers and HDBaseT® display devices.

DM-MD 6X4 & 6X6
DigitalMedia™ Distribution Centers

- Low-cost, high-performance multiroom HD AV signal routing
- True one-wire solution using DigitalMedia 8G+™ technology
- HDBaseT® certified
- Distributes uncompressed digital AV over CAT5e
- Provides DM 8G+™ outputs for three or five remote displays
- Allows up to 330 ft (100 m) wire distance to each display
- Single HDMI® output for a local display or audio processor
- Six HDMI inputs for HDMI, DVI, or DisplayPort Multimode
- Handles HD 1080p60 and UXGA/WUXGA resolutions
- Handles 3D, Deep Color, and high-bitrate 7.1 encoded audio
- QuickSwitch HD® technology for fast, reliable switching
- Performs automatic AV signal format management via EDID
- Enables device control via CEC
- Enables USB HID mouse and keyboard signal extension
- Includes integrated Ethernet switch
- Provides Power over DM® for compatible receivers
- Easy setup and diagnostics via front panel or software
- Includes built-in universal power supply
- Native Crestron system integration via Ethernet
- Standard component width or 2-space rack-mountable

A Fully-Integrated Multimedia Presentation Solution with No Equal

Whether it's for a new installation or replacement of an older analog system switcher, the DMPS Series provides a future-proof solution. DMPS DigitalMedia™ Presentation Systems integrate **high-definition digital and analog AV signal distribution** with built-in automatic mic mixing, matrix switching, speaker amplification, and DSP, plus **DM 8G+™ connectivity** and a fully-featured Crestron control system. The result is the world's most advanced all-in-one digital presentation solution at a fraction of the cost of less robust alternatives.

The **DMPS-300-C-AEC adds full-bandwidth acoustic echo cancellation** to each of its six microphone inputs, providing **a complete, integrated solution for audio and video teleconferencing applications.** DMPS-300-C-AEC integrates cleanly with VTC codecs and supports multiple displays for a total video conferencing solution.

continued...

DMPS Series
DigitalMedia™ Presentation Systems

- High-Definition multimedia system switcher, mic mixer, audio DSP, amplifier, and control system
- Integrated DigitalMedia™ switcher featuring DM 8G+™ technology
- HDBaseT® certified
- Advanced HDCP management
- Handles HDMI®, DVI, DisplayPort Multimode, and S/PDIF digital sources
- Handles RGB, composite, S-Video, component, and stereo audio analog sources
- Auto-detecting, auto-switching inputs for all types of video and audio sources
- Available acoustic echo cancellation (DMPS-300-C-AEC only)
- Versatile audio signal mixing and routing to multiple outputs
- Audio-follow-video or breakaway switching for all inputs
- HDMI audio signal extraction and embedding
- Stereo analog outputs with independent DSP
- Multi-channel PCM, Dolby®, and DTS® audio signals can be routed to the HDMI and DM 8G+ outputs
- DigitalMedia 8G+™ connectivity affords single-wire CAT5e interface for remote sources and displays
- Furnishes Power over DM or HDBaseT
- QuickSwitch HD® technology manages HDCP keys for fast, reliable switching

- Auto-Locking™ technology achieves rapid switching between disparate sources
- Automatic AV signal format management via EDID
- Scaler options provide discrete image optimization for each display device and codec
- Integrated Ethernet switch provides a single-point LAN connection
- DMPS requires only one IP address in Private Network Mode
- Supports Crestron® touch screens, keypads, and wireless remotes
- Supports Crestron mobile control apps and XPanel
- Supports Crestron Fusion® and SNMP remote management
- Easy setup and diagnostics via front panel or software
- Internal universal power supply

NEW! No Programming Required!

Delivering a fully-functional presentation system is **easy, fast, and affordable** using any DMPS model with built-in auto-configuration software. Complete system setup can be performed in minutes right from the system touch screen.

continued...

Automatic Multi-Format Switcher

Ideal for single-display presentation in a small conference room, huddle room, or collaboration room, the DMPS3-150C provides fully automatic operation and works seamlessly out of the box with up to four Crestron Connect It™ tabletop interfaces. The 4K DMPS3-150-C is uniquely designed to present higher native resolution sources such as 2560x1600 output from Apple® laptops, which require more bandwidth than ordinary 1080p switchers can handle. Even better, the DMPS3-150-C is pre-programmed for super fast installation. Get your system up and running directly from the touch screen by answering a few simple questions. Simply select your sources and displays, and label icons.

NEW! DMPS3-150-C

3-Series® DigitalMedia™ Presentation System 150

- 10x1 4K multi-format presentation switcher
- Support for today's high-resolution laptops — anything up to 4096x2160
- Provides the core of a complete Crestron Connect It® solution
- Four HDMI® and four VGA/analog video inputs
- Four stereo analog audio inputs
- Two DM or HDBaseT® inputs
- HDMI and DM or HDBaseT outputs
- Built-in 4K scaler
- Balanced stereo audio output
- Fully automatic switching
- Single microphone input for voice-lift
- Display control via IR, RS-232, CEC, or Ethernet
- Fully-programmable 3-Series control system
- Built-in universal power supply — no wall-warts
- 1U rackmount or under table mount

DMPS-300-C-AEC
DigitalMedia™ Presentation System 300 w/AEC

- Full-bandwidth, fully-adaptive Acoustic Echo Cancellation on each mic input
- Allows direct integration with one or two teleconferencing codecs
- Built-in 6-channel gated microphone mixing w/DSP
- Matrix signal routing for up to seven simultaneous sources and four displays
- Two HDMI, two DM 8G+ or HDBaseT, and three stereo analog audio outputs
- Two DM 8G+ or HDBaseT inputs
- Built-in microphone mixing
- Built-in 40 Watt amplifier, 8 Ohm stereo or 70/100 Volt mono
- 2-Series control system provides fully-programmable device control
- 3-space 19-inch rack-mountable

DMPS-300-C
DigitalMedia™ Presentation System 300

- All the features and functionality of the DMPS-300-C-AEC without acoustic echo cancellation

continued...

DMPS-200-C
DigitalMedia™ Presentation System 200

- Matrix signal routing for up to six simultaneous sources and two displays
- One HDMI, one DM 8G+ or HDBaseT, and three stereo analog audio outputs
- One DM 8G+ or HDBaseT input
- Same HDMI and analog inputs as the DMPS-300-C
- 4-channel gated microphone mixing w/DSP
- Built-in microphone mixing
- Built-in 40 Watt amplifier, 8 Ohm stereo or 70/100 Volt mono
- 2-Series control system provides fully-programmable device control
- 3-space 19-inch rack-mountable

DMPS-100-C
DigitalMedia™ Presentation System 100

- Single video output with parallel HDMI and DM 8G+/HDBaseT ports
- Two independent stereo analog audio outputs w/DSP
- One fewer HDMI and analog audio inputs than the DMPS-300-C
- 2-channel gated microphone mixing w/DSP
- No programming required - easy touch screen configuration
- Built-in microphone mixing
- Built-in 40 Watt amplifier, 8 Ohm stereo or 70/100 Volt mono
- 2-Series control system provides fully-programmable device control
- 3-space 19-inch rack-mountable

Go the Distance with DigitalMedia 8G™ over Copper or Fiber

Crestron now offers three main types of DM 8G® for interfacing DigitalMedia devices — **DM 8G+™, DM 8G® Fiber, and DM 8G SM Fiber**. All three types handle high-bandwidth HD AV signals with full support for HDCP, CEC, and 3D video, plus HD multichannel audio formats like Dolby® TrueHD and DTS-HD Master Audio™.

DM 8G+ affords **a true one-wire transport for moving high-definition video, audio, and Ethernet over low-cost twisted-pair cable**. Using simple CAT5e wire, DM 8G+ achieves ultra high-bandwidth over distances of up to 330 ft (100 m).

All Crestron DM 8G+ products are HDBaseT® certified. Only Crestron delivers a complete, end-to-end solution including switchers, transmitters, and receivers certified by the HDBaseT Alliance.

DigitalMedia 8G™ Receivers & Transmitters

Crestron offers an ever growing line of compact transmitters and receivers in all three types of DM 8G®, providing **the industry's most flexible and scalable platform** for interfacing with remote computers, AV sources and display devices — whether they're several feet or several miles away.

DM 8G receivers and transmitters are now available with 4K video support.

continued...

DM-RMC-4K-100-C-1G 4K

DM-RMC-4K-SCALER-C 4K
DM-RMC-150-S

DM-RMC-4K-100-C 4K
DM-RMC-100-C
DM-RMC-100-S

DM-RMC-SCALER-C
DM-RMC-SCALER-S
DM-RMC-SCALER-S2

DM-RMC-200-C
DM-RMC-200-S
DM-RMC-200-S2

4K HD-XSPA (see "Audio" section for full details) - DM receiver with 7.1 surround sound and built-in amplifier.

DM-RMC DigitalMedia 8G™ Receivers

- Models available for surface or wall plate installations
- Low-profile designs fit neatly behind displays and above projectors
- **NEW!** Support for latest 4K displays and ultra high-resolution monitors
- Models available with DM 8G+™, DM 8G® Fiber, or DM 8G SM Fiber connectivity
- Every model features an HDMI® display output
- Professional-quality scaling on select models affords ultimate flexibility and reliability for systems using multiple disparate sources and displays
- All scaler models support video wall processing and 3D-to-2D conversion
- All models support CEC display control

- Most models include Ethernet, IR, and RS-232 control ports
- Select models available with built-in audio amplification, audio de-embedding, relay ports, digital input ports, and/or USB HID signal routing ports
- All models compatible with USB-EXT-DM USB Extenders
- Also compatible for direct connection to a DM transmitter for point-to-point signal extension

DM-TX-401-C
DM-TX-401-S
DM-TX-401-S2

DM-TX-201-C
DM-TX-201-S
DM-TX-201-S2

DM-TX-200-C-2G
DM-TX-4K-100-C-1G 4K

DM-TX DigitalMedia 8G™ Transmitters

- Options for portable, surface-mount, wall plate, and rack mount applications
- Available inputs for HDMI®, DisplayPort, VGA, and analog sources
- Built-in auto-switching makes setup and operation a breeze
- HDMI audio embedding enables combining digital video with analog audio sources
- Most models include 10/100 Ethernet and USB HID ports
- Compatible with USB-EXT-DM USB extenders
- Ideal for use with Crestron FlipTop™ boxes
- Models available with DM 8G+™, DM 8G® Fiber, or DM 8G SM Fiber connectivity

Distribute Any Source Anywhere with DM Streaming

High-performance H.264 streaming capability enables enterprise-wide distribution of HD content over an IP network. Streaming expands the capabilities of DM® to **remove all distance limitations** and **distribute any video source to any device — anywhere in the world.**

Streaming is an essential component of any complete DM system, allowing for high-definition signal routing to Crestron touch screens, digital signage displays, remote buildings, and global offices without requiring any new or dedicated wiring. IP cameras and other H.264 streaming sources are also supported.

NEW! DMC-STR
Streaming Input Card

- Input card for DM-MD8X8, DM-MD16X16, and DM-MD32X32 switchers
- Receives a single H.264 video stream over an IP network
- High-definition AV signal distribution with no distance limitations
- Resolutions up to 1080p30 and bitrates up to 25 Mbps
- High-quality AAC audio with up to eight channels
- Built-in down-mixing to stereo
- Local HDMI and stereo analog audio outputs
- Compatible with DMCI card interface as a streaming receiver

DMC-STRO
Streaming Output Card

- Single-slot output card for DM-MD8X8, DM-MD16X16, and DM-MD32X32 switchers
- Transmits a single H.264 video stream over an IP network
- Resolutions up to 1080p30 and bitrates up to 25 Mbps
- Built-in scaling enables streaming of any input source up to Full HD 1080p or UXGA/WUXGA
- High-quality AAC 2-channel stereo audio
- Unicast or multicast, with or without RTSP

Enhanced USB Routing for DigitalMedia™ and More!

The USB-EXT-DM lets you **connect USB peripherals of virtually any type** including keyboards, mice, game controllers, interactive whiteboards, flash drives, web cameras, and mobile devices **anywhere in the building** using the local area network. Use a mouse and keyboard in one room **to control a computer or media server in another room.** Connect an interactive whiteboard at the front of the classroom to a computer or annotator tucked away in the equipment room. Connect a USB flash drive or media player to **download and stream files from your home office PC.** Sync your smartphone, play video games, and access the Internet from any display in the house with all your computers and game systems installed out of sight in a central equipment cabinet.

As part of a DigitalMedia system, multiple USB Extenders can be deployed to provide **a complete USB signal routing solution** for anything from sharing home entertainment resources throughout a residence to enabling sophisticated KVM switching in a corporate training lab.

USB-EXT-DM USB Extenders

- Adds USB host or device connectivity to any DM® transmitter, receiver, or switcher
- Can also be used without a DM system
- Enables sophisticated USB routing or simple point-to-point USB extension
- **USB-EXT-DM-REMOTE** provides “remote” connectivity for up to four USB peripherals at one location
- **USB-EXT-DM-LOCAL** provides “local” connectivity for a single USB host
- Supports isochronous devices such as webcams and media devices
- USB 1.1 and 2.0 compatible
- Gigabit Ethernet connectivity

HDMI® Switching You Can Rely On

Crestron QuickSwitch HD® switchers deliver **fast, trouble-free switching of HDMI signals** with numerous advanced features for routing and managing multiple digital multimedia signals.

HD-MD 8X1 & 8X2

QuickSwitch HD® HDMI® Switchers

- QuickSwitch HD® switching technology
- Supports HDMI® w/Deep Color, 3D, and high-bitrate 7.1 audio
- Compatible with DVI and DisplayPort Multimode
- Supports video resolutions up to HD 1080p60 and UXGA/WUXGA
- Detects and reports detailed video and audio input information
- Manages HDCP digital rights management for connected devices
- Performs automatic AV signal format management via EDID
- Includes front panel controls with security lockout
- Allows audio breakaway switching
- Simple setup and diagnostics via software
- Native control system integration via Ethernet or Cresnet®
- Simple input expansion for DigitalMedia™ systems
- Single-space 19-inch rack-mountable

Universal HD Scaler

The HD-SCALER makes it easy to add a high-performance video scaler to any HDMI® or DVI display to accommodate a variety of sources and ensure compatibility with a wide range of input resolutions. With both HDMI and analog inputs plus built-in 2x1 switching, the HD-SCALER provides **a perfect problem solver for upgrading legacy systems** and interfacing with video conferencing codecs.

HD-SCALER High-Definition Video Scaler

- Compact, low-profile surface mount design
- Automatically scales any input signal to match any display
- Supports resolutions up to HD 1080p and UXGA/WUXGA
- Performs deinterlacing of NTSC, PAL, and 1080i sources
- Handles HDMI® signals with HDCP
- Supports analog video and computer sources
- Allows advanced management of EDID
- Allows adjustable overscan and underscan up to 7.5%
- Auto-switches between digital and analog sources
- Handles 7.1 digital audio and analog stereo audio
- Allows embedding of analog audio to HDMI
- Setup via on-screen display using IR wireless remote
- Built-in test patterns
- Cresnet® control system integration
- Provides a powerful portable diagnostic tool for any video setup

Simple, High-Performance 4K HDMI® Signal Splitting

Even with a signal distribution solution as sophisticated as DigitalMedia™, **sometimes you just need to split a single HDMI® signal** to feed multiple displays, switchers, AV receivers, and other devices. Crestron 4K HDMI Express distribution amplifiers provide **straight-forward and reliable signal splitting of HDMI signals** with support for resolutions up to 4K.

NEW! HD-DA-4K-E Series
4K HDMI® Express Distribution Amplifiers

- Distributes one HDMI source to multiple outputs
- Models available with two, four, or eight outputs
- Handles video resolutions up to 4K
- Includes input and output sync indicators
- No programming or control system required
- Thin profile – just 3/4 inch high
- Surface, rack shelf, or single rack rail mountable

HDMI® over HDBaseT® Extenders

When you just need to get an HDMI signal from one end of the building to the other, Crestron HDMI over HDBaseT Extenders provide **a professional-grade solution that's incredibly simple and ultra-reliable**.

HD-EXT3-C
HDMI® over HDBaseT® Extender

- Extends uncompressed digital AV and control signals up to 330 ft (100 m) over a single CAT5e
- HDBaseT certified
- Supports HDMI with Deep Color, 3D, and 4K
- Supports 7.1 channel HD lossless audio
- Compatible with DVI and DisplayPort Multimode
- Compatible with DigitalMedia 8G+™ systems
- Includes universal IR repeater
- Extends bidirectional RS-232

HD-EXT4-C
HDMI® over HDBaseT® Extender

- Adds stereo analog audio extension via a second cable
- Omits IR and RS-232 capability

HDMI® over Fiber Extenders

HDMI over Fiber technology by Crestron affords **reliable, high-performance digital AV signal extension over long distances**, handling high-definition digital video and audio, analog audio, Ethernet, HID, and control signals all over one fiber strand.

HD-TX1-F (front) HD-RX1-F (rear)

HD-TX1-F & HD-RX1-F
HDMI® over Fiber Transmitter and Receiver

- Extends uncompressed digital AV and control signals 1000 ft (300 m) over simplex multimode fiber
- Supports HDMI with Deep Color, DVI, and DisplayPort Multimode
- Supports 7.1 channel lossless audio up to 48 kHz
- Handles resolutions up to 1920x1200 and 1080p60
- Passes CEC, EDID and HDCP
- Includes universal IR repeater
- Extends bidirectional RS-232
- Provides electrical isolation for outdoor runs
- Affords a hidden wiring solution using CresFiber® CLEAR Fiber Optic Cable

HD-TX3-F (front) HD-RX3-F (rear)

HD-TX3-F & HD-RX3-F
HDMI® over Fiber Transmitter and Receiver

All the features of the HD-TX1-F and HD-RX1-F plus:

- Adds Ethernet, USB HID, and analog audio signal extension

HDMI® Problem Solver

Need to feed two displays from one HDMI source? Or, split an HDMI signal between a display and a surround sound processor? Need to break out the HDMI audio signal and convert it to S/PDIF or analog? Or, merge separate digital audio and video sources into one HDMI stream? Not a problem…just use the HD-DA-2.

HD-DA-2 1-to-2 HDMI® Distribution Amplifier & Audio Converter

- One in, two out HDMI signal splitter
- Extracts analog and S/PDIF audio from HDMI
- Embeds S/PDIF audio onto HDMI
- Merges DVI and S/PDIF into one HDMI signal
- Supports HD 1080p w/Deep Color, 3D, and 7.1 HD audio
- Allows configuration of audio EDID and HDCP key handling
- No programming or control system required

Crestron Connect It™

Crestron Connect It™ is a user-friendly tabletop presentation solution offering **connectivity and control in one easy-to-install device.** Using the Crestron Connect It Presentation Interface, anyone can easily connect their laptop or tablet device and instantly start presenting. Multiple Presentation Interfaces can be deployed to **enable natural, free-flowing collaboration** amongst several participants in a huddle room, conference room, or training lab. Simple one-touch control at each Presentation Interface makes toggling between sources effortless.

TT-100 Crestron Connect It™ Presentation Interface

- Streamlined tabletop presentation interface
- Stylish, unimposing design
- Simple one-touch toggling between multiple presenters
- Soft-touch capacitive buttons with multicolored status indicators
- Convenient left or right hand access
- Recessed cable storage compartment
- Available with or without cables
- Weight-assisted cable retraction
- Optional 120 Volt AC power outlet
- Integrates with DigitalMedia™ and other systems
- Compact and easy to install
- Available in black or gray textured
- Installs in a 4" round hole

FlipTop™ Interface & Control

Crestron FlipTops™ offer **a connectivity solution for conference tables and podiums** that is both stylish and highly configurable for connecting laptops and other devices. The FlipTop™ connection compartment can be populated with **variable combinations of pull-out interface cables, connector plates, cable retractors, and power outlets** to address each application perfectly. **Integrated touch screen and control processor options** add complete control at your fingertips, with the potential for eliminating the need for a separate equipment cabinet. FlipTops provide an ideal complement to any DigitalMedia™ presentation system.

FT-600

FT-TS600

FT-TSC600

NEW! **FT-600** FlipTop™ Basic

- Flush mount tabletop connectivity in a stylish FlipTop design
- An ideal complement to Crestron® DigitalMedia™
- Configurable connection compartment allows versatile combinations of pullout cables, cable retractors, connector plates, and AC power outlets
- **NEW!** International power outlets
- Tapered cable notch allows lid to be closed with cables plugged in
- Lacing bar for under table cable management
- Universal cutout size fits all new and future FlipTops™
- Black anodized or brushed aluminum finish

continued...

FlipTops™ and Crestron Connect It™

NEW! FT-TS600 FlipTop™ Touch Screen

- All the features of the FT-600
- Integrated 5" capacitive color touch screen with Smart Graphics™
- High-performance H.264 streaming video over Ethernet
- 5 soft-touch capacitive buttons
- Hands-free audio conferencing using Rava™ SIP Intercom Technology
- Customizable audio feedback
- Built-in microphone and speaker
- Balanced line output for amplification of the speaker signal
- PoE or PoE+ network powered

NEW! FT-TSC600 FlipTop™ Touch Screen Control System

- All the features of the FT-TS600
- Built-in 3-Series® control processor
- Onboard 10/100 Ethernet and Cresnet® master ports
- Control port expansion via C2N-IO modules

CBLR Cable Retractors

- Provides an ideal cable management solution for Crestron FlipTops™
- Up to six fit in one FlipTop
- Keeps interface cables at-the-ready
- Eliminates hanging cable loops beneath the table
- Easy-to-use — pull the cable out — press the lever to retract
- Patent-pending mechanism prevents whipping of the cable while retracting
- HDMI®, VGA, stereo audio, USB, Ethernet, HDBaseT®, and DigitalMedia 8G+™ models available

High-Definition Multi-Window Video Processor and Annotator

Envision the ultimate boardroom, sports bar or custom theater with multiple Blu-ray™ movies, television channels, and computer-based media all displayed simultaneously on one high-definition screen. Imagine the ability to **annotate directly on the screen or from a separate touch screen** along with controls for AV, lighting, and other functions. And picture it all in astounding detail and rich, life-like color.

Now you've imagined the DVPHD High-Definition Digital Video Processor from Crestron® — the ultimate multi-window video processor that displays up to **eight high-res computer and HD video images within a fully-customizable graphical environment**, with dynamic transition effects, advanced video processing, real-time annotation, and touch screen control!

DVPHD High-Definition Digital Video Processor and Annotator

- Up to eight fully-scalable HD video windows on a single display
- Real-time, interactive annotation over high-definition video and computer images
- Optional Guidebar® technology enables annotation and presentation control from a presenter's touch screen
- QuickSwitch HD® provides ultra fast switching with transition effects

continued...

DVPHD

- Modular design accepts the choice of up to eight simultaneous inputs
- Handles DVI, HDMI, DisplayPort Multimode, and HD-SDI digital video sources
- Enables display of HDCP protected content
- Handles analog RGB, component, S-Video, and composite video sources
- Compatible with Crestron V-Panel™ and a vast range of third-party touch screens
- Fully customizable, high-definition 24-bit graphics
- Professional high-definition scaling and de-interlacing
- Supports resolutions up to WUXGA 1920 x 1200 and HD 1080p60
- Automatic input/output configuration via sync-detection and EDID
- Built-in test patterns for easy setup and fine-adjustment
- Setup via LCD front panel, touch screen or mouse OSD, or Web browser
- Native Crestron control system integration
- High-speed Ethernet and Cresnet® communications

Easy, Affordable, End-to-End HD Capture

CaptureLiveHD™ delivers **high-definition capture of meetings and lectures** with easy, out of the box setup and the lowest cost of ownership on the market. Incredibly simple to use, CaptureLiveHD is an ideal choice for any learning institution or corporate enterprise that needs to capture classes and presentations for use in online education, training, or other purposes. A complete CaptureLiveHD system provides **a scalable end-to-end solution for scheduling, recording, and online delivery** of captured content.

The CaptureLiveHD solution includes a Crestron Capture HD® recorder in every room, all managed by Fusion RV® Remote Asset Management Software. CaptureLiveHD leverages Fusion RV software to deliver **a total workflow engine for moving recorded content seamlessly through the entire process** from capture to consumption with minimal human effort.

- A complete end-to-end meeting and lecture capture solution
- Allows full-motion capture in high-definition 1080p
- Streams and records
- Lowest cost of ownership
- Easy, efficient scheduling, recording, and online delivery
- Simple enough for the entire faculty to use
- Scalable to fit any college, government, or corporate workflow
- Captures complete AV presentation with live video of the presenter
- Provides content for online courses, on-demand lesson review, corporate marketing and training, and archiving
- Enables seamless online viewing using computers and mobile devices
- Simple integration with open source media sites

Capture HD® Capture Recorder

The CAPTURE-HD device provides a very simple, one-box component for capturing lectures, presentations, medical procedures, seminars, and training sessions. It is **designed for easy integration in a classroom, lecture hall, training lab, or boardroom**, allowing presenters and instructors to use their choice of multimedia sources, including high-definition videos, computers, whiteboards, and annotators.

Without requiring any special training or extra effort from the presenter, the CAPTURE-HD-PRO **records the complete presentation in full-motion HD 1080p or 720p** and uploads it to a network server for publishing. Full control of the CAPTURE-HD is facilitated using the optional touch screen controller or through integration with a Crestron control system.

CAPTURE-HD-PRO
Capture HD® High-Definition Capture Recorder

- Delivers a low-cost, high-performance HD presentation capture solution
- Designed for college, university, teaching hospital, government and business applications
- Records the complete AV presentation, classroom lecture, or training session in high-definition 1080p resolution
- Extremely easy to use and flexible enough to fit any workflow model
- Works with Crestron® Fusion RV® software for a total workflow engine
- Integrates easily into existing AV presentation systems and networks
- Provides inputs for high-definition digital and analog AV sources

- Built-in scaling ensures compatibility with a full range of sources
- Provides a composite video input for the presenter's camera
- High-definition 3G-SDI camera input
- Includes local AV output for confidence monitoring or presentation pass-thru
- Allows Crestron control system integration via Ethernet
- Gigabit Ethernet enables high transfer rates for uploading of HD media files
- Single-space 19" rack-mountable

Touch Screen Capture Controller

Capturing lectures and meetings is a breeze using the CAPTURE-TPMC-4SM Touch Screen Controller. The presenter need only follow the prompts on the touch screen to **easily start and stop a recording, pause or mute the recording and add bookmarks** during the session, and make very basic adjustments when needed. The touch screen can also display a live view of the presenter's camera and a microphone level meter for an extra level of confidence.

HD Collaboration in Seconds™

With just one touch of a button, anyone can **walk into a conference room and instantly start a collaboration session.** Share your desktop with local and remote participants. View and annotate over PowerPoint® remotely or locally using the touch display. Share ideas and compare notes with remote participants anywhere, at any time using any device.

Crestron RL™ delivers **a unified collaboration solution** for the conference room, combining Crestron hardware with Microsoft® Lync® software. This full-featured Lync-based system enables video, voice, interactive content sharing, presence, and chat from one touch screen interface.

Crestron RL™
Group Collaboration System for Lync®

- Fully-featured Microsoft® Lync® system for conference rooms
- Real-time collaboration from anywhere using computers and mobile devices.
- Easy to order and specify, no programming or training required
- Low cost of ownership — no extra licenses, MCUs or gateways needed.
- Native Crestron integration as part of a complete room control and building management solution.
- Backwards compatible with existing VTC systems
- Choose from turnkey packages with one or two 65" displays, or a package for use with an existing display or Microsoft PPI display.
- All three packages include codec, 10" tabletop touch screen controller, camera, mic, sound bar, cables and accessories.
- Available options include table mic, portable display cart, and third-party cameras.

HD Video Conferencing Solution

Smart Space™ is the new multi-person, multi-display solution that delivers **advanced enterprise-wide communication and HD video conferencing.** It is a tested and validated open architecture turnkey solution, featuring an all-in-one, plug-and-play design that provides simple setup and operation.

Developed by Crestron for use with Cisco® conferencing and infrastructure, Smart Space enables you to **easily take control of meetings with its standardized, intuitive user interface.** A repeatable, flexible, and scalable solution, Smart Space is simple to integrate, manage, and maintain. The code is already written, so **no programming is required, saving you time and money.**

NEW! Crestron Smart Space™
HD Video Conferencing Solution

- Takes the guesswork out of specifying and delivering HD video conferencing systems
- Enables technology managers to maximize investment in AV and communication technologies for conference rooms, training rooms, and other meeting facilities
- Scalable to your entire enterprise—deploying to one room or many—with consistent performance and ease of use in every room
- Intuitive touch screen controls ensure quick and easy start of meetings
- Seamlessly launch HD video conference calls, audio calls, and presentations with a single press
- Delivers high-quality audio, HD video, and crisp computer graphics locally or to remote locations
- Control room lighting and motorized shades with built-in Crestron integration

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- Launches and starts Cisco Jabber® and WebEx® from the optional dedicated PC
- Book rooms on-the-fly from the optional Crestron schedulingtouch screen located outside the door

Present Wirelessly

With AirMedia™ **anyone can walk into a room and wirelessly present** PowerPoint®, Excel®, Word, and PDF documents, as well as photos, on the room display from your personal iOS® or Android™ mobile device. MacBook® and PC laptops can be connected seamlessly as well, allowing for presentation of anything on your computer desktop including video.

AM-100
AirMedia™ Presentation Gateway

- Enables wireless presentation using laptops, tablets, and smartphones
- Windows®, OS X®, Apple® iOS®, and Android™ compatible
- Displays up to four presenters simultaneously in Quad View
- Integrates seamlessly with Crestron Connected™ displays
- Supports Full HD 1080p and UXGA display resolutions
- HDMI®, VGA, and analog audio outputs
- Customizable welcome screen provides clear instructions for presenters
- Allows a variety of connection methods to suit any organization
- Other participants can view and save presentation images through a Web browser for easy note taking
- Integrates with DM®, CaptureLiveHD™, and Crestron Fusion®
- Simple installation and setup

Integrated by Design™ At Its Core

Today's corporate, university, hospitality, and government organizations require more than just AV or lighting control in a few rooms. They demand the ability to monitor and manage all of the technology in every room across entire buildings and campuses.

Crestron 3-Series® employs **a fundamentally new control system architecture** engineered to provide the backbone of the most powerful control network available today. Crestron 3-Series enables organizations to securely **integrate every AV device and building system on a single high-speed platform**, and manage it all from a centralized dashboard using Crestron Fusion®.

Dual Networks – Dedicated Control Subnet enables the Crestron ecosystem to run parallel to the corporate IT network while requiring just one IP address (select models only).

SNMP Support – Allows network administrators to manage control systems on the network in an IT-friendly format.

802.1x Authentication – The same hardware-layer network security technology used by government and financial institutions.

Native BACnet™/IP – Enables seamless integration with existing building management systems.

Modular Programming – Affords enhanced scalability with high-speed, real-time multi-tasking to seamlessly run multiple programs simultaneously.

NEW! SIMPL# and SIMPL#Pro – Provides a standard C# programming environment utilizing the .NET Framework for streamlined integration with third-party products and databases. SIMPL# Libraries work seamlessly with SIMPL+ while SIMPL#Pro programs run on their own. Use SIMPL#Pro to write a program that is 100% hardware independent, and runs on any 3-Series processor without the need to recompile.

Other Great Features

- Accelerated 3-Series Control Engine
- Supports Smart Graphics, XPanels, and Touch screens
- Supports mobile control apps for Apple iOS and Android
- Supports Crestron Fusion

continued...

- Supports SNMP remote management
- Installer setup via Web browser
- Full Unicode (multi language) support
- Access security through Full user/group management, as well as active directory integration
- IIS v6.0 Web Server

PRO3 — The New Flagship

The PRO3 sets the **new standard for control system performance and functionality.** Crestron veterans will find its appearance familiar, taking many of its exterior cues from the faithful PRO2. But under the hood, it's a whole new ball game featuring the mega-accelerated performance of the 3-Series engine, a color LCD front panel, and the new Control Subnet port providing **a dedicated Gigabit Ethernet network just for Crestron devices.**

PRO3 3-Series Control System®

- Onboard 1GB RAM & 4GB Flash memory
- Expandable storage up to 1TB
- Rear panel memory card slot
- Control Subnet — provides a dedicated local network for Crestron® devices
- Two fully-featured RS-232/422/485 COM ports
- Four RS-232 COM ports with software handshaking only
- Eight IR/serial, eight relay, and eight Versiport I/O ports
- Three built-in 3-Series control card expansion slots
- Installer setup via front panel, software or Web browser
- Front panel color LCD display
- 2-space rack-mountable

AV3 3-Series Control System®

- All the features and performance of the PRO3 without the color LCD display
- 3-Series® control card expansion slots are an add-on option

CP3N 3-Series Control System®

- One RS-232/422/485 COM port with hardware/ software handshaking
- A more compact, lower-cost alternative to the PRO3 and AV3
- 512MB RAM & 4GB Flash memory
- Expandable storage up to a single TB
- Rear panel memory card slot
- Cresnet, Gigabit Ethernet, and Control Subnet ports
- Two RS-232 COM ports with software handshaking only
- Eight IR/serial, eight relay, and eight Versiport I/O ports
- No built-in control card expansion slots
- Single-space rack-mountable

CP3 3-Series Control System®

- All the features and performance of the CP3N without the Control Subnet port
- 10/100 Ethernet LAN port

3-Series® Control Systems

NEW! **RMC3** 3-Series® Room Media Controller

- Compact and cost-effective
- Modular programming architecture (optional)
- 256MB RAM & 4GB Flash memory
- Support for external USB memory and storage
- Ethernet and Cresnet® communications
- One RS-232/422/485 COM port with hw/sw handshaking
- Two IR/serial, two relay, and two digital input ports
- USB On-The-Go port
- PoE network powered
- Compact, stackable “IFE micro” form factor
- Surface or DIN rail mountable using included bracket
- Available rack mount and pole mount options

DIN-AP3 3-Series® Automation Processor

- Similar features to a CP3 in a DIN rail mountable package
- Two RS-232/422/485 COM ports with hw/sw handshaking
- Four IR/serial, four relay, and eight Versiport I/O ports
- 9M wide DIN rail mountable
- Also available, **DIN-AP3MEX** with built-in infiNET EX® wireless gateway, plus Ethernet and Cresnet® only (no onboard control ports)

Easy System Expansion — It's in the Cards!

Adding control ports to any 3-Series Control System® is easy using 3-Series® Control Cards and Card Interfaces. Plug up to three control cards directly into an AV3 or PRO3, or use one or more 3-Series Card Interfaces to **add more COM ports, IR ports, relays, and Versiport I/O ports to *any* 3-Series Control System**.

CEN-CI3-1 3-Series® Card Interface – 1 Slot

- Accepts one 3-Series® Control Card
- Provides control port expansion for any 3-Series Control System®
- Powerable via PoE or external power pack
- Half-width, single-space rack-mountable

CEN-CI3-3 3-Series® Card Interface – 3 Slots

- Accepts up to three 3-Series® Control Cards
- Includes a built-in Gigabit Ethernet switch for easy expansion of the network
- External power pack included
- Single-space rack-mountable

C3 Series 3-Series® Control Cards

- Plug-in control port expansion for CEN-CI3-1, CEN-CI3-3, AV3 and PRO3
- Models available with COM, IR, relay, or Versiport I/O ports

Crestron Touch Screen Control Systems— No Rack Required!

These touch screen control systems harness all the power of Crestron to provide **a complete control solution in one compact wall mount or tabletop device.** Perfect for single rooms, condominiums, townhouses, MDUs, and hotels wherever equipment space is limited.

TPCS-4SM 4.3" Touch Screen Control System

- 3-Series® control processor
- 4.3" touch screen — with Smart Graphics™ support
- Runs a single control system program
- Onboard 10/100 Ethernet and Cresnet® master ports
- Control port expansion via C2N-IO module
- Supports up to ten Ethernet and ten Cresnet devices including touch screens, keypads, thermostats, dimmers, sensors and other peripherals
- Supports a single infiNET EX® gateway
- Supports one mobile device running the Crestron app
- Supports Fusion RV® and SNMP remote management
- Customizable audio feedback
- Built-in proximity sensor
- Ten optional “hard key” pushbuttons
- Dual-color red/green LED button backlighting and feedback
- Also available with white LEDs (model TPCS-4SMD)
- Custom engravable button text
- PoE network powered
- Compatible with all TPMC-4SM wall, surface, and tabletop mounting options
- Available with black or white smooth finish

NEW! **TSCW-730** 7" Touch Screen Control System

- Built-in 3-Series® control processor
- 7" capacitive color touch screen with Smart Graphics™
- High-performance H.264 streaming video
- Rava™ SIP intercom and phone technology
- Customizable audio feedback
- Built-in microphone and speakers
- Built-in proximity sensor
- 10 optional “hard key” pushbuttons
- Dual-color button backlighting
- Custom engravable button text
- Onboard 10/100 Ethernet and Cresnet® master ports
- PoE+ network powered
- Control port expansion via C2N-IO modules
- Versatile wall, surface, and tabletop mounting options
- Modern, contoured appearance
- Available with black or white smooth finish

Total Control is On The Table

The FT-TSC600 provides a **configurable control and connectivity solution** in a stylish, flush mount tabletop design. Its **built-in 3-Series® control processor** and brilliant 5" color touch screen combine to deliver a complete, space-saving controller for any small conference room or similar space. The built-in connection compartment **keeps interface cables and connectors at the ready** for plugging in laptops, mobile devices, and other equipment.

NEW! **FT-TSC600** FlipTop™ Touch Screen Control System

- Tabletop control and connectivity in a stylish FlipTop™ design
- Built-in 3-Series® control processor
- Onboard 10/100 Ethernet and Cresnet® master ports
- Control port expansion via C2N-IO modules
- 5" capacitive color touch screen with Smart Graphics™ support
- High-performance H.264 streaming video over Ethernet
- Seamless integration with Crestron® DigitalMedia™
- 5 soft-touch capacitive buttons for common functions
- Hands-free audio conferencing using Rava™ SIP Intercom
- Customizable audio feedback
- Built-in microphone and speaker
- Balanced line output for amplification of the speaker signal
- PoE+ network powered
- Custom configurable connection compartment
- Same appearance and cutout size as other 600 Series FlipTops™
- Black anodized or brushed aluminum finish

C2N-IO Control Port Expansion Module

- Installs anywhere extra control ports are needed
- Fits within the wall box behind a TPCS-4SM
- Provides 1 RS-232, 1 IR/serial, and 2 relay ports
- Compatible with any Crestron 2-Series or 3-Series® control system
- Interfaces via Cresnet® control bus
- 24VDC Cresnet powered
- Surface mount bracket included

Wireless Control Port Expansion

Add remote IR, RS-232, relay and digital input ports to a Crestron control system anywhere in the building without running any new wiring or conduit.

INET-IOEX Series Wireless Control Modules

- Low-cost wireless control interfaces
- infiNET EX® wireless communication
- Ultra-compact, surface mount design
- 3-Series® compatible
- **INET-IOEX-RYIO** provides two relay and two digital input ports
- **INET-IOEX-IRCOM** provides 1 RS-232 and 2 IR ports

On-Screen Display Control

The MC3 offers a 3-Series Control System® in a compact form factor with several special features including onboard audio file playback and **integrated infiNET EX® wireless gateway.**

OSD (On-Screen Display) enables control through any TV or video display using customizable scrolling menus, full-color icons, bar graphs, and metadata.

MC3 3-Series Control System®

- 3-Series® control engine
- Onboard 256MB RAM & 2GB Flash memory
- Expandable storage up to 1TB
- Integrated infiNET EX® wireless gateway
- Industry-standard Ethernet and Cresnet® wired communications
- Available RF and IR control options
- Customizable OSD user interface
- Component and composite video outputs
- WAV, MP3, and WMA audio file playback
- Built-in IR, COM, relay, and digital input ports
- High-speed USB 2.0 host ports
- On-screen installation setup
- Installer setup via Crestron Toolbox™ or Internet Explorer®

Power Over Your Network

Imagine **the simplicity of Cresnet with the bandwidth of Ethernet**. It's available today from Crestron through an ever-expanding line of touch screens and other devices utilizing high-speed Ethernet connectivity with PoE (Power over Ethernet). Ethernet with PoE means **total connectivity over one wire**. Configuring a Crestron network of PoE devices is streamlined using any of our PoE Switches and Injectors.

CEN-SWPOE-16 16-Port Managed PoE Switch

- All ports 1000Base-T Gigabit Ethernet
- Provides full PoE on all ports simultaneously
- Also supports 802.3at PoE+ powered devices
- Up to 34.2W per port, 255W total
- PoE switchable per port via a control system
- Energy usage monitoring via a control system
- Auto-negotiating and auto MDI/MDIX
- Layer two managed switching functionality
- LLDP (Link Layer Discovery Protocol) support
- Web browser configuration
- Customizable front panel labeling
- AV friendly, single-space rack-mount design

CEN-SW-POE-5 5-Port PoE Switch

- All ports 1000 Base-T Gigabit Ethernet
- 802.3af PoE on four ports
- Convenient surface-mount form factor

Wi-Fi® to a Higher Power

Smartphones, tablet computers, wireless touch screens and remotes … they all give you **the freedom to control all of your technology in incredible ways from any location** in your home or workplace. But, the quality of that experience is entirely dependent on the strength and reliability of your Wi-Fi® network. The CEN-WAP-1500 is a high power, professional grade wireless access point designed to deliver **superior wireless range and maximum data rates** for demanding residential and commercial applications.

NEW! **CEN-WAP-1500** High Power Dual-Band Wireless Access Point

- High output power (1000 mW) for broader coverage
- Concurrent dual-band (2.4 GHz & 5 GHz) technology
- 802.11 a, b, g, and n support
- Data transfer rates of up to 900 Mbps
- VLAN support for creating a secure guest network
- QoS support for prioritizing network traffic
- Support for up to eight SSIDs
- Web browser based management
- System logging capability
- One-wire installation using included PoE injector
- Low-profile housing
- Shelf, wall, or ceiling mount installation

Enterprise Building Management

Crestron Fusion® provides an integrated platform for creating truly smart buildings that **save energy and enhance worker productivity.** From a centralized dashboard, Crestron Fusion unifies and simplifies the way organizations **control, monitor, and manage building technology, orchestrate building and AV automation, and control energy usage.**

Crestron Fusion 10 now offers an improved user experience, from installation and configuration to the Web user interface. New room utilization and energy reports make it easier than ever for IT, AV and facilities managers to analyze historical usage data to take the actions they need to optimize their workspaces and building operations.

With Crestron Fusion, organizations are able to use the same tools they already use for room scheduling. Industry-leading, native communications support for popular enterprise scheduling providers is built right in. And, an API allows developers to integrate calendar data in Crestron Fusion with other 3rd party scheduling engines.

- Convenient Web interface works across multiple browsers and computer platforms
- Room schedule information integrated natively with Microsoft Exchange with Outlook®, Microsoft Office 365®, IBM® Notes®, CollegeNet® R25® , Google Calendar™ and MICROS® OPERA.
- Language support for Chinese (Simplified, Traditional), Dutch (Netherlands), English (US, UK), French, German, Italian, Japanese, Russian, Spanish in Web client and touch screens with RoomView® Scheduling V2
- Pre-installed rackmount CEN-FUSION server systems available
- Virtualized server environments fully supported
- Scalable, redundant server architecture for increased performance across large organizations
- Simple, powerful tools for database administration
- Runs on Microsoft Windows Server 2008*/2008R2/2012/2012R2, SQL Server 2008/2012, Exchange WebDAV*/EWS/EWS Managed API services, Outlook 2003*/2007/2010/2013

*End of Support Notice: deprecated in future releases

Fusion RV®

Fusion RV lets corporations, universities, hotels, and government agencies seamlessly monitor and manage meeting rooms, classrooms, lecture halls, and video conferencing rooms to **maximize efficient room usage and availability.** With minimal effort or overhead, AV staff can easily view the status of rooms, projectors, and other assets from the web-based user interface **provide real-time remote assistance** with the built-in help desk, **track usage and generate reports,** and receive email alerts when any equipment requires service.

FUSION RV® version 10

From any computer, Fusion RV lets users **view room availability, schedule meetings, and allocate room resources** for activities such as AV presentation, lecture capture or video conferencing using its built-in scheduler or a range of third-party scheduling options.

Users can also use Crestron touch screens with RoomView® Scheduling software located outside of each meeting room to view a room's schedule, see meeting details, end or extend a meeting, or reserve a room without returning to their desks. Facility efficiency is improved by leveraging occupancy sensing to decline no-show meetings and free up busy rooms for others.

Fusion RV also **provides the workflow engine for CaptureLiveHD™** to deliver a total, streamlined solution for recording and distributing online classes, meetings, and presentations.

Crestron Fusion **increases productivity, saves energy, and prolongs the life of valuable equipment** by shutting down lighting and AV systems, setting back the temperature and adjusting the shades after a meeting concludes. Integrated by Design, with Fusion RV your AV systems and room schedule become part of whole building strategy for centralized control and automation down to the room level and tied to the activities of the building's occupants.

Fusion RV® Remote Asset Management Software

- Monitor, manage, and schedule meeting rooms enterprise-wide
- View room status and book rooms on the spot using touch screens at the entrance to each room
- Streamline the help desk with chat and real-time room status
- Use instant messaging to communicate through the room's touch screen
- Receive instant e-mail notifications for scheduled maintenance or when a display is offline
- Track and analyze device and room usage with robust reporting using built-in templates
- Media management for Crestron CaptureLiveHD™
- Integrates with popular hotel and hospitality applications to enable automated hotel room setup upon guest check-in
- Crestron Fusion API provides a Web service for the development of custom applications to interface with Fusion RV
- Schedule end-of-day shutdown of AV equipment

Fusion EM®

Fusion EM Energy Management Software delivers the first enterprise building management solution that **unifies all environmental systems on a single platform.** From a centralized Web interface, organizations can **automate lighting, shades, and climate control** for an entire building or campus based on room occupancy, meeting schedules, time clock events and daylight levels. Demand response rules can also be set to reduce energy consumption at critical moments.

FUSION EM™ version 10

Fusion EM 10 now offers an improved Time Clock building calendaring interface to the automation rules that govern how your building operates every day of the year. Fusion EM manages the rules separately from the calendar, which simplifies modifications to building operation year-end and during special events. Energy reports make easy for facility managers to drill into historical usage data to take the actions they need to optimize building energy use.

Fusion EM provides valuable analytics and reporting of real-time and historical energy usage, enabling organizations to make intelligent and informed energy saving decisions. As part of a complete Crestron Green Light® integrated power metering and lighting control solution, Fusion EM delivers accurate measurement, monitoring, and management of all energy sources by room, floor, building or an entire campus.

Fusion EM® Energy Management Software

- Track real-time energy usage
- Generate historical energy reports and baseline building performance
- View historical energy consumption for day, week, month, or year
- Control lighting levels, shades, and adjust climate setpoints in real time
- Change settings for occupied and unoccupied states
- Adjust demand response rules for lighting and HVAC
- Configure building time clock rules to pre-defined holiday and events calendars
- View at-a-glance room status for an entire facility
- Works with the GLS-EM-MCU Crestron Green Light® Power Meter Control Unit for tracking of actual energy consumption

Designing building management solutions that truly deliver on the promise to reduce energy consumption demands the use of **lighting, shade, and climate control products that can be accurately monitored, measured, and managed** in real-time under one platform. Crestron Green Light® encompasses a complete range of environmental control products engineered to provide **a total integrated solution for energy-efficient commercial buildings of every scale**.

3-Series® Native BMS Interface

The 3-Series Control System® with BACnet™/IP support provides a scalable, IP-based platform for implementing fully-integrated building management and automation. Integrated control of lighting, shades, HVAC, AV, BMS, security, IT, and other connected systems is now faster, simpler and more efficient than ever. **Built-in BACnet/IP support enables seamless integration with existing building management systems**. All systems run independently and communicate with each other on the same platform, creating a truly smart building.

Crestron 3-Series control systems may also be custom programmed to integrate with other popular building management protocols including LonWorks® and ModBus®.

Reliable, Accurate Energy Measurement

As the old adage goes, you can't manage what you don't measure. We'll go one further: **you can't manage *reliably* what you don't measure *accurately***.

The Crestron Green Light® Power Meter Control Unit (GLS-EM-MCU) measures both voltage and current at the incoming electrical service and individual branch circuits to **provide complete and accurate real-time data for use in assessing power usage** and employing energy-saving strategies. By design, the GLS-EM-MCU integrates with Fusion EM® Energy Management Software to monitor and manage lighting and other devices throughout a building to **achieve real, meaningful control over energy consumption**.

GLS-EM-MCU Power Meter Control Unit

- Provides power metering across three phases (main legs)
- Compatible with 100-347 Volt, split and 3-phase systems
- Also allows power metering for up to eighty-four individual branch circuits
- Works with GLS-EM-CT and GLS-EM-CTI current transformers and interfaces
- Measures and logs RMS voltage, current, and active power
- Reports data to a control system and Fusion EM® software
- Allows real-time power monitoring on a touch screen, computer, or mobile device
- Internal non-volatile memory reliably stores logged data

Control Every Light Source

The DALI® standard allows individual lighting fixtures in an open office or classroom to be controlled independently through simple low-voltage wiring. **Crestron Green Light solutions for DALI interfaces and software simplify DALI system commissioning and routine maintenance**, facilitating setup of fixture addresses and groups, and making ballast replacements easier.

The DIN-DALI-2 is a DALI® interface for Crestron systems providing control of up to 2 individual DALI loops. Housed in a DIN-rail enclosure, the DIN-DALI-2 is a great low-profile Cresnet® or Ethernet companion to any 3-Series Control System®.

In addition to controlling the DALI data bus, it includes an integrated DALI power supply. The single-wire connectivity simplifies both new and retrofit installations, and Power-over-Ethernet (PoE) versatility assists in situations with existing CAT5 infrastructure.

DIN-DALI-2
2-Channel DALI® Interface

- Two independent DALI channels
- Controls up to sixty-four ballasts per channel
- Cresnet® or Ethernet communications
- PoE or Cresnet powered
- Integrated DALI power supply
- Override input
- Easy setup using Crestron commissioning software for DALI
- 9M wide DIN rail mounting

Single-Channel Lighting Control for DALI® Loads

The GL-EXP-DALI series enables the **expansion of a DALI lighting system to include a single, non-DALI switched or dimmed load** of 120, 230, or 277 Volts up to sixteen Amps. The GL-EXP-DALI series expansion modules accomplish this by taking DALI commands and changing them for a non-DALI load. This way, a non-DALI load can integrate into an existing DALI system **without the need for an additional, larger control module** or long runs of wire to connect the load to a far-off control source.

NEW! GL-EXP-DALI Series
Crestron Green Light® Expansion Modules with DALI®

- Module for incorporating one non-DALI load into a pre-existing DALI lighting system
- Series includes models for universal dimming, dimming, 3-wire dimming, 0-10V dimming, and switching
- Local user interface with LED display for easy setup
- Supports loads of 120, 230, and 277 Volts up to sixteen amps
- Module runs off 120V AC line power
- Built-in air gap relay at the output
- Mounts to a wall or above a suspended ceiling

Add Another Zone with Expansion Modules with Cresnet®

The GL-EXP-CN series is composed of independent expansion modules controlled by Cresnet that provide **one channel of lighting control for dimmed or switched loads** of 120, 230, or 277 Volts up to sixteen Amps. The GL-EXP-CN series is perfect for adding an extra lighting zone into a Crestron control system, **cutting out the need for a larger, more expensive control module or lighting cabinet.**

NEW! GL-EXP-CN Series
Crestron Green Light® Expansion Modules with Cresnet®

- Module for incorporating one load into a pre-existing Crestron lighting system
- Series includes models for universal dimming, dimming, 3-wire dimming, 0-10V dimming, and switching
- Supports both forward and reverse phase load types
- Auto load detection mode
- Cresnet communications
- Local user interface with LED display for easy setup
- Handles loads of 120, 230, and 277 Volts up to sixteen amps
- Reduced lamp flicker through zero-cross filtering
- Built-in air gap relay at the output
- Override preset capability
- Module runs off 120V AC line power
- Mounts to a wall or above a suspended ceiling

Using the DALI® protocol, Crestron LED drivers can share operational data and control the output of individual luminaires at the same time. Multiple drivers can be daisy-chained using low-voltage wiring for power on/off and dimming control. Up to sixty-four fixtures can exist on a single DALI channel, each operating independently. This supports sustainable design principals such as daylight harvesting and occupancy sensing and enables proactive, easy maintenance.

GLD-DALI-LED
DALI® Dimmable LED Drivers

- Programmable, dimmable, high-power LED drivers
- DALI® controllable (0-10V also available)
- Superior, smooth dimming to below 1%
- Excellent color stability, even at low dimming levels
- Linear or logarithmic dimming curve
- High efficiency over a wide power and voltage range
- CREScode™ programmable for use with a wide variety of LED fixtures
- Lowers costs by reducing inventory requirements
- Multiple outputs with independent LED current settings
- 2-channel models support tunable white lighting and direct-indirect fixtures
- NTC interface for robust thermal management
- Available in long or short case form factors
- Compatible with 120V, 230V, and 277V AC systems
- Available 50W and 100W models

Single Room Lighting Control – Packed with Power Saving Features

Without requiring any programming, Crestron Green Light® Power Packs deliver **affordable room lighting control with the essential features for reducing energy usage**. Available with up to three channels of switching or 0-10V dimming, each GLPP model includes inputs for a photo sensor and occupancy sensor to control lighting levels automatically based on the amount of natural light and the presence of people in the room. The dimming models also include **built-in power monitoring to track energy usage in real time**, providing accurate metrics to assess real power savings.

GLPP Crestron Green Light® Power Packs

- Affordable lighting control, no programming required!
- Works in 120 to 277VAC systems
- 1, 2, and 3 channel models available
- Switched and 0-10V dimming models available
- Adaptive zero-cross switching for extended life
- Supports lighting control based on room occupancy
- Supports daylight harvesting
- Real-time power monitoring on dimming models
- Easy setup and operation via handheld remote
- Supports up to two wall mount keypads
- Easy keypad wiring using existing switch-loop wiring
- Standalone operation, linkable to a central control system via Cresnet® (wired) or infiNET EX® (wireless)

Cost-Saving Lighting Control for Large or Multiple Rooms

The GLPAC offers **0-10V dimming for up to four rooms with built-in energy management features** including occupancy sensing, daylight harvesting, and optional power monitoring. A single GLPAC controls up to eight channels of dimmable fluorescent or LED lighting fixtures across up to four rooms without any complicated programming. Cresnet® and Ethernet connectivity afford extensive system configuration using keypads, touch screens, shade controllers, and more.

GLPAC Crestron Green Light® Integrated Lighting Systems

- Works in 100 to 277VAC systems
- Provides four or eight channels of 0-10V dimming
- 16 Amp load rating per channel
- Phase-independent channels
- Positive air gap at each output
- Fully programmable control system on board
- Preloaded program for quick setup
- Built-in Web-based setup wizard
- Supports keypad control, occupancy sensing, and daylight harvesting for up to four rooms
- Optional real time power monitoring per channel
- Local controls for setup, testing, and verification
- Local and remote override capability
- Non-volatile power failure memory
- Local and slave Cresnet ports
- High-speed Ethernet LAN port

Easy, Scalable Lighting Control System

Out of the box, the GL-IPAC-SW8 provides lighting control for 8 switched circuits. Its **built-in IPAC control system affords expansion to support up to sixty-four circuits** with no additional programming. It can also support keypads, occupancy and photo sensors, and time clock automation with setup provided through its LCD front panel. Network connectivity enables integration as **part of a complete building management system.**

GL-IPAC-SW8

Crestron Green Light® Integrated Switching System

- Eight internal circuits for switched loads
- Expandable to control up to sixty-four circuits of switched load
- Supports 100 to 277 Volt applications
- Sixteen Amp load rating per channel
- Built-in astronomical time clock
- Positive air gap at each output
- Phase-independent channels
- Local controls for setup, testing, and verification
- Local and remote override capability
- Non-volatile power failure memory
- Easy access is facilitated from the hinged front cover

In-Wall Integrated Room Lighting and Shade Controller

Crestron iLux® provides **a versatile, energy-saving wall mount lighting controller for boardrooms, auditoriums, and custom theaters** with six dimmable lighting zones and six motorized shade control zones. Multiple units can be linked to handle larger rooms and multi-room applications. Support for occupancy sensors and photocells enables localized energy management functionality. Wired or wireless **control system integration allows for room-combining, facility-wide integration, and centralized energy management** using Fusion EM® software.

CLS-C6 Series iLux® In-Wall Lighting Systems

- 6 channels of dimming or switching
- 6 groups of shade and drape control
- Linkable for large rooms and multi-room applications
- Front panel controls with customizable labeling
- Easy setup from front panel or iLux Designer software
- Add-on keypads, touch screens, and IR remote
- Supports occupancy sensors and photo sensors
- **NEW!** Supports Cresnet® occupancy sensors and shades
- Optional integrated motion sensor
- Integrates with control systems via Cresnet® or infiNET™
- Expanded load type support via CLS-EXP modules
- Available in white, black, or almond

Wireless Door Locks – Convenience is Key

Yale® wireless door locks offer **incredible convenience for the modern home.** Featuring infiNET EX® wireless communications, they can be integrated with a Crestron® control system, allowing doors to be locked and unlocked from any touch screen in the house, or remotely using your computer or mobile device. Simply unlocking the front door can also turn on the lights, open the window shades, adjust the thermostat, and play your favorite music. Different users can be identified by their unique PIN codes, allowing you to **see when and by whom a door has been locked or unlocked,** and even receive a text or email when the kids get home or the cleaning crew has finished up.

CLK-YL Yale® Wireless Door Locks

- Stylish lever and deadbolt type door locks
- Integrated infiNET EX® wireless communications
- Touch screen, pushbutton, or key-free options
- Illuminates for nighttime visibility
- Remotely lock and unlock doors using touch screens, remotes, and mobile devices
- View true feedback of door lock status and battery level
- View event history and receive text alerts for each door
- Manage user IDs and preferences easily
- Create temporary user IDs for guests and service people
- Receive alarms for low battery, tampering, and more
- Runs one year on four AA alkaline batteries
- Compatible with 2-Series and 3-Series® control systems
- Integrates with lighting, shades, HVAC, security, and AV
- Available in polished brass, bronze, and satin nickel finishes

From updating a conventional thermostat for essential HVAC integration, to managing commercial-grade environmental systems in the most high-tech estate or high-rise MDU, **Crestron gives you more ways to interface with climate control systems** as part of a total home control and energy management solution.

Communicating Thermostats

Crestron thermostats install easily in place of any conventional thermostat to enable full integration as part of a total Crestron solution.

CHV-TSTATEX Wireless Thermostat w/infiNET EX®

- Heat/cool thermostat for baseboard, forced air, and heat pump HVAC systems
- FCU (Fan Coil Unit) versions available for hotel room applications
- Crestron system integration via infiNET EX wireless network – no extra wires required
- Saves on energy costs with advanced programming abilities
- Supports two remote temperature sensors
- Fail-safe mode allows continuous operation if control system goes offline
- Large backlit LCD display
- Available in white, black, or almond

CHV-TSTAT & CHV-THSTAT Thermostats

- Heat/cool thermostats with optional humidistat
- Cresnet® wired control system interface
- Supports two remote temperature or humidity sensors
- Large backlit LCD display
- Available in white, black, or almond

3-Series® providing BACnet™/IP Support

In a high-rise complex or luxury home employing commercial grade HVAC equipment, BACnet can be utilized to provide a seamless interface to the Crestron system. With **BACnet/IP support built into every 3-Series Control System®**, there's no need for a separate gateway or protocol translator.

Native support for the BACnet/IP communication protocol provides **a direct interface to third-party building management systems over Ethernet**, simplifying integration with HVAC, security, fire & life safety, voice & data, lighting, shades, and other systems. Using BACnet/IP, each system runs independently with the ability to communicate together on one platform for a truly smart building.

Occupancy and Ambient Light Sensing

A total energy management solution requires automation of lighting, HVAC, shades, AV and other equipment in response to the changing conditions in a room. Crestron Green Light® Occupancy Sensors provide reliable detection of when a room is vacant or occupied, allowing lights and AV equipment in the room to be shut off and climate control turned down when they're not needed. Photocells enable daylight harvesting, allowing shades and lighting to be adjusted according to the amount of ambient light available through windows and other natural light sources.

Green Light occupancy sensors with **Cresnet® and infiNET EX® offer easier integration and faster installation.** Cresnet wired connectivity provides power and communication for multiple daisy-chained sensors while infiNET EX offers an effective and economical wireless solution.

GLS-ODT-C-CN

GLS-OIR-C-CN

GLS-ODT-C-CN

Dual-Technology Occupancy Sensor with Cresnet®

- Ceiling-mount occupancy sensor
- Dual-technology motion detection
- 360 degree, 2000 square feet coverage
- Discreet, low-profile appearance
- Extremely accurate and reliable sensing
- Fully digital circuitry for low cost and high reliability
- Built-in ambient light recognition
- External photo sensor input eliminates the need for a GLS-SIM
- Grace Occupancy feature
- **GLS-OIR-C-CN** passive infrared model also available

GLS-ODT-C-NS

GLS-OIR-C-NS

NEW! GLS-ODT-C-NS
Dual-Technology Ceiling Mount Occupancy Sensor

- Ceiling-mount occupancy sensor for standalone lighting systems
- Dual-technology motion detection
- 360 degree, 2000 square feet coverage
- Works with GLPP, GLPAC, and GL-IPAC-SW8
- Discreet, low-profile appearance
- Extremely accurate and reliable sensing
- Fully digital circuitry for low cost and high reliability
- Connects via a Versiport or digital input port
- Optional Cresnet® interface using GLS-SIM
- Grace occupancy feature
- **NEW!** Also available, **GLS-OIR-C-NS** passive infrared model

GLS-OIR-CSM-EX-BATT
Battery-Powered infiNET EX® Occupancy Sensor

- Surface mount, no holes to cut or drill
- Passive infrared motion detection
- 360 degree, 500 square feet coverage
- 9 Volt battery powered
- Control system integration via infiNET EX wireless network
- Discreet, low-profile appearance
- Grace occupancy feature

GLS-LCL GLS-LOL

GLS-LCL & GLS-LOL
Crestron Green LIght® Photocells

- Measure ambient light level from all available light sources
- Versatile flush or surface mount options
- 0-10 Volt DC analog control output
- Optional Cresnet® control interface via GLS-SIM

GLS-LEXT
Crestron Green Light® Photocell, Outdoor

- Wall mount photocell
- Measures the outdoor light levels
- Weatherproof with visor for protecting lens

GLS-LDL-EX-BATT
Battery-Powered Photo Sensor
with infiNET EX®, Dual-Loop

- Dual-loop, battery-powered photo sensor for ceiling or surface mounting
- infiNET EX communications for easy integration into a complete wireless lighting control solution
- Measures light level from natural daylight and ambient light sources
- 10-year battery life via two Lithium Ion AAA battery
- Local button lets users easily commission and calibrate the daylight harvesting system
- Visible LED display to indicate sensor status
- Sleek, compact design

DIN Rail Lighting & Automation

Squeeze the most out of small spaces with DIN rail lighting products. Great for boardrooms, classrooms, condominiums and custom theaters, DIN rail modules deliver **integrated lighting and motor control at the best price per square inch.** In addition to lighting and motor control, our complete DIN rail line **includes two powerful 3-Series® control systems,** a DALI® interface, several versatile control interfaces, and Cresnet® distribution solutions.

DIN-AP3MEX

DIN-AP3

DIN-1DIM4

DIN-8SW8

DIN-2MC2

DIN Series DIN Rail Enclosures & Modules

- Metal enclosures available with two, three, or six 18U rails
- DIN-AP3 3-Series® Automation Processor features onboard control ports, Cresnet®, Ethernet, and BACnet™/IP support
- DIN-AP3MEX features Cresnet, Ethernet, BACnet/IP support, and built-in infiNET EX® wireless gateway
- DIN-DALI-2 2-Channel DALI® Interface controls 128 DALI ballasts
- 4-channel dimming available for most load types
- Zero cross filter technology
- 8-channel high-voltage switching available for non-dimmable loads
- 2-channel bidirectional motor control
- Support for 120 to 240 Volts
- Override input capability
- Versiport and 0-10V analog output control modules
- Cresnet power supplies, hub, and distribution block modules

DIN-EN-3X18

Central Lighting Control Cabinets

Crestron Green Light® Architectural Dimming (GLPD) systems offer **the very best in lighting control**. Designed for demanding commercial environments including office buildings, meeting and convention centers, museums, and restaurants, Green Light Architectural Dimming delivers precise dimming control coupled with ultra reliable hardware.

Green Light Power Switching (GLPS) systems provide robust switching for warehouses, parking garages, courtyards and retail spaces. Green Light Express (GLPX) encompasses a variety of cost-effective, space-saving feed-thru cabinets with a choice of relay and dimmer types and **optional built-in IPAC control processor**.

GLPD Crestron Green Light® Architectural Dimming

- 120 or 277 Volt 2-wire, 3-wire, MLV, and 0-10V dimming & switching
- Phase-synchronous detection zero-cross filter technology
- Up to sixty circuits per panel
- Integrated branch circuit breakers
- Optional main circuit breaker
- Feed-thru cabinets available
- Field-replaceable lighting modules
- Remote emergency override capability
- UL924 listed (emergency power equipment)
- Available main and branch circuit power metering using GLS-EM-MCU

GLPS Crestron Green Light® Power Switching

- 120 and 277 Volt switching
- Optional zero-cross arcless switching
- Available 0-10V fluorescent dimming
- Up to fifty-six circuits per panel
- Integrated branch circuit breakers
- Optional main circuit breaker
- Field-replaceable lighting modules
- Remote emergency override capability
- Available main and branch circuit power metering using GLS-EM-MCU

GLPX Green Light Express® Dimming & Switching

- 120 or 277 Volt 2-wire, 3-wire, MLV, and 0-10V dimming & switching
- Optional zero-cross arcless switching
- Available 120/208, 277/480, and 230/400 volt 3-phase switching
- Up to eighty-four circuits per cabinet
- Feed-thru type panels
- Field-replaceable lighting modules
- UL924 listed (emergency power equipment)
- Available main and branch circuit power metering using GLS-EM-MCU
- Optional built-in IPAC control processor

CAEN Automation Enclosures

- Combined dimming, switching, fan, and motor control for residential applications
- Configurable using CLX Series lighting control modules
- Space for PAC2 or PAC2M automation control systems
- Up to one-hundred-twelve controlled circuits per panel
- **CAEN-MLO** models allow up to twenty breakers per panel

In-Wall Wireless Dimmers & Switches

CAMEO®

Cameo® dimmers and switches offer direct control of individual lighting circuits in an attractive wall plate form factor. **Robust wireless networking via infiNET EX®** enables integration with a central control system without running any extra wiring, providing an ideal upgrade for rooms with existing wall plate dimmers and switches — including 3-way and 4-way circuits. An integrated system **allows every lighting load to be centrally controlled and monitored** as part of a building-wide energy management solution.

Cameo dimmers and switches can also function as keypads, allowing for **customizable control over whole-room lighting scenes, AV, and other room functions.**

CLW-DIMEX-P & CLW-SWEX-P
Cameo® Wireless In-Wall Dimmers & Switches

- 120V, 230V, and 277V versions available
- Supports incandescent, tungsten halogen, and magnetic low voltage load types
- Available in twelve Cameo colors and finishes
- Field replaceable and engravable buttons
- infiNET EX® wireless communication
- Dimmers configurable with up to four buttons
- Switches configurable with two buttons or rocker
- Screw-clamp connectors for easier installation
- White LED feedback indicators
- Stylish bargraph for real-time status feedback
- Remote dimmers and switches available for 3- or 4-way functionality
- Available **CLW-DIMSWEX-P** provides combo dimmer and switch in one device

CLW-DELVEX-P
Cameo® Wireless In-Wall ELV Dimmers

- 120V, 230V, and 277V versions available
- Supports incandescent, electronic low voltage, and dimmable 2-wire fluorescent load types
- Available in twelve Cameo colors and finishes
- Field replaceable and engravable buttons
- infiNET EX® wireless communication
- Configurable with up to four buttons
- White LED feedback indicators
- Stylish bargraph for real-time status feedback

Wireless Integrated Lamp Control

Even plug-in type lamps and fixtures can be monitored and controlled using Crestron Green Light® lamp dimmers and switches. Wireless communication provides an easy path to integration with a central energy management system.

CLW-LDIMEX & CLW-LSWEX
Wireless Lamp Dimmers and Switches

- Control system integration via infiNET EX® wireless network
- Plugs into a 120 Volt AC receptacle
- Single and dual channel models available

International In-Wall Lighting Controls

Provide high-quality **universal dimming, switching, and keypad control for international 230VAC applications.** Robust infiNET EX® wireless communication eliminates the need for any dedicate control wiring. NEW! Battery-powered keypads enable control of lighting, AV, and other functions with absolutely no wiring or boxes needed.

CLWI Series
International In-Wall Dimmers, Switches, & Keypads

- 230V operation
- UK and Euro electrical box mountable
- Universal phase dimmers, with or without neutral wire
- 0-10V dimming control
- Single or dual channel switching control
- Remote controllable via third-party switches and contact closures
- Programmable keypads for control of AV, lighting, and other functions
- Configurable with up to six field-replaceable buttons
- Optional custom button engraving
- White LED feedback indicators
- Bargraph display of dimming or volume levels
- infiNET EX® wireless communication
- Keypad models available with Cresnet® wired communication
- **NEW! CLWI-KPLEX-BATT** battery-powered wireless keypad
- Screw-clamp connectors for easy installation
- Available in anthracite or white finishes

Maximize Natural Lighting to Minimize Energy Usage

Crestron window shades and drapery track systems provide precise, quiet management of daylight by simply pressing a button on a keypad, touch screen, or remote control. Choose from a variety of shade fabrics and decorative hardware options to help beautify any space. When combined with advanced lighting, climate, AV and security controls, **Crestron shades complete an automation solution that maximizes efficiency, convenience, and comfort at all times.**

CSS Crestron® Shading Solutions

- A complete line of shading and drapery track systems
- Integrates seamlessly with lighting and climate controls
- Over four-hundred fabric options
- Wide variety of styles, colors, and metal finishes
- Maximum coverage with the smallest possible light gaps
- Smooth, silent starts and stops
- Programmable stop points
- Grouping requires no special controls or relay systems
- Easy low-voltage wiring using Cresnet®
- infiNET EX® wireless option
- 8-year limited warranty

The CSM-QMTDC-256-2 Digital QMT™ shading motors offer **lower power consumption in less space** than other shading motors on the market. Featuring a DC brushless digital motor design, Digital QMT™ motors are quiet and do not wear out over time like other motors. **A built-in Cresnet® wired interface allows for easy integration into a Crestron control system.** An infiNET EX® wireless version of the motor is coming soon. Consistent performance delivered by the CSM-QMTDC-256-2 supports Architectural and Décor single roller shades 21" and larger.

NEW! CSM-QMTDC-256-2
Digital QMT™ Shade Motor

- Ultra-quiet, long-life DC brushless digital motor technology
- Smaller footprint than other motors
- Built-in Cresnet wired interface, with an infiNET EX wireless model coming soon
- For Architectural and Décor single roller shades 21" and larger
- Lifetime warranty

Crestron CSM-QMT50 shading motors are **offered in both Cresnet® wired and infiNET EX® wireless** models. Fully-integrated electronics eliminate the need for bulky add-on interface modules for a perfectly clean, streamlined installation. **Quiet Motor Technology™ ensures silent yet robust operation** for shades sized 38" and larger.

CSM-QMT50 QMT™ Shade Motors

- For shades 38" and larger
- Crestron® Quiet Motor Technology™ for nearly imperceptible operation
- Fully integrated design, with no external modules required
- Built-in Cresnet® wired or infiNET EX® wireless interface

Intelligent Shading Power Supply

The CSA-PWS10S-HUB power supply provides **support for up to ten Crestron Shades** and features a **built-in, 5-segment hub with network diagnostics capabilities.** Local controls and indicators allow for easy testing of shades without connecting to a control system. The CSA-PWS10S-HUB is convection cooled for silent operation and can be surface mounted. It is also available pre-assembled in a CAEN-1X1 enclosure for surface or recess wall mount installation.

NEW! CSA-PWS10S-HUB
10-Shade Power Supply and Cresnet® Hub

- Power and communication for ten Crestron Shades
- Built-in 5-segment Cresnet® hub
- Individual per-motor fuse protection
- Local master raise/lower controls
- Clear diagnostic LED indicators
- Convection cooled for silent operation
- Also available, CSA-PWS10S-HUB-CAEN-1X1 pre-assembled in CAEN-1X1 enclosure

Beautiful, Functional, Configurable

CAMEO®

Crestron Cameo® is a favorite keypad choice for all types of lighting and AV control applications. The choice ofwired or wireless connectivity allows **easy, flexible installation in both new and existing structures.** Wired versions also provide a local interface for occupancy sensors and photocells as part of a total energy management solution.

INET-CBDEX-P Cameo® Wireless Keypads

- Available in all twelve Cameo colors and finishes
- Configurable with up to eight backlit engravable buttons
- Optional “split-buttons” in bottom two positions
- Auto-dimmable backlight and LED intensity
- White LED feedback indicators
- Built-in blinking and bargraph logic
- infiNET EX® 2-way RF wireless communication
- Standard wall box mountable
- 120V, 230V or 277V AC line powered

C2N-CBD-P Cameo® Keypads, Standard Mount

Same features as Cameo Wireless Keypads except:

- Cresnet® wired communication and power
- Dual Versiport interface for external sensors
- Compatible with Ascent® metal faceplates

Full Functionality, Tiny Footprint

For architects looking for **a more subtle stylistic approach to providing lighting and AV control,** Crestron offers Cameo® Flush Mount Keypads. The design that earned Cameo its name, these tiny keypads offer the same full-sized configurable buttons and other features as standard mount Cameos in approximately 1/3 of the space.

C2N-CBF-P Cameo® Keypads, Flush Mount

- Incredibly small footprint and slim profile
- Available in five Cameo textured colors
- Compatible with Ascent® metal faceplates
- Configurable with up to eight backlit engravable buttons
- Optional “split-buttons” in bottom two positions
- Auto-dimmable backlight and LED intensity
- White LED feedback indicators
- Built-in blinking and bargraph logic
- Cresnet® wired communication and power
- Dual Versiport interface for external sensors

Modern Design Meets Modern Function

Even the most luxurious or contemporary interior is a perfect candidate for Cameo® keypads. Ascent® faceplates bring high-style to any Cameo wired keypad in seven **lustrous metallic finishes designed to appeal to the most demanding architect or executive.**

CBD-FP-ASCENT & CBF-FP-ASCENT Ascent® Solid Metal Faceplates for Cameo® Keypads

- Choice of seven luxurious colors and finishes
- One-piece solid metal bezel
- Exceptional fit and finish
- Mix and match with any color buttons
- Multiple cutout designs and button configurations
- Models available for Cameo Standard Mount and Flush Mount keypads

Cameo® Style for International Wall Boxes and Lecterns

These flexible keypads are designed for installation in UK and European style wall boxes, and can also be mounted into furniture without requiring a backbox. Optional architectural faceplates offer a metallic accent for a sophisticated appearance.

C2NI-CB Cameo® International Keypads

- UK/European style electrical box installation
- Flush mountable without a backbox
- Available in textured almond, black or white
- Architectural faceplate options available
- Versatile combinations of up to twelve pushbuttons
- Customizable backlit button engraving
- White LED feedback indicators
- Built-in LED blinking and bargraph logic
- Auto-dimmable backlight and LED intensity
- Two contact closure inputs
- Cresnet® wired communication and power

Low-Cost, High-Function

Provide essential control over AV, lighting, and other functions in these six, eight, or twelve button Decorator Keypads.

Keypads

C2N-DB Decorator Keypads

- Available in smooth almond, black, and white
- Match off-the-shelf decorator style faceplates
- Available in six, eight, and twelve button configurations
- Replaceable, custom-engravable buttons
- Programmable feedback LEDs
- Cresnet® wired communication and power

Big Buttons, Bold Appearance

Crestron Designer Keypads deliver enhanced functionality in an attractive wall plate design featuring extra large buttons and optional backlighting.

Shown w/Architectural faceplate option

Shown w/3-gang Designer faceplate option

CNX-B Designer Keypads

- Elegant design with large buttons
- Gangable up to three side-by-side
- Available in five textured colors
- Designer and Architectural faceplate options
- Available in two, four, six, eight, and twelve button configurations
- Replaceable, custom-engravable buttons
- Programmable feedback LEDs
- Backlit button option
- WAV file audio feedback
- Cresnet® wired communication and power

On-The-Spot Control

Put control right where you need it with this wireless, battery-powered, 2-button keypad controller. On a hotel room nightstand, boardroom conference table, or anywhere in the home, the HTT-B2EX-BATT provides **simple, convenient, and reliable control** for all types of applications from lighting and shades to AV presentation.

HTT-B2EX-BATT Battery Powered infiNET EX® 2-Button Wireless Keypad

- Engravable buttons
- Ultra-reliable infiNET EX wireless communication
- Runs for five years on a user-replaceable Lithium battery
- Low-profile and compact — just 2-3/4" (70 mm) diameter
- Completely portable — no wires to connect
- Optional tethered model prevents removal from hotel rooms
- Available in white or black

HTT-B10EX TableTop Keypad with infiNET EX®

- Ten engravable, backlit buttons
- White LED feedback indicators
- True-feedback and dual-bargraph capability
- infiNET EX® wireless communications
- Powered by batteries or external power pack
- Wakes instantly when touched or picked up
- Auto-dimmable backlight and LED intensity
- Available in black or white

Touch Screens & Remotes

Control any room, the entire home or facility, conveniently from any of our beautiful, stylish touch screen or remote control. With such a wide selection for you to choose from, you're sure to find the perfect piece to meet your needs and complement any space.

TSW Capacitive Touch Screens

Large Format HD Video Touch Screens

Large Format Streaming Touch Screens

Smaller Format Touch Screens

Scheduling Panels

Handheld Touch Screens

Handheld Remote Controls

Silky Smooth and Packed with Power

The new TSW-552, 752 and 1052 offer powerful Smart Graphics™ in **a choice of three, space-efficient surface mount designs. Each features an edge-to-edge capacitive touch surface,** H.264 streaming video, Rava™ SIP intercom, and single-wire PoE connectivity**.**

TSW-552, TSW-752 & TSW-1052
Touch Screens

- Ultra clean, modern appearance
- Thin profile and small footprint
- Affordable and easy to install
- 5", 7", and 10" widescreen color displays
- Smart Graphics™
- Capacitive touch screen technology
- High-performance H.264 streaming video
- Rava™ SIP intercom and phone technology
- Customizable audio feedback
- **NEW!** Voice recognition capability
- **NEW!** Built-in web browsing
- **NEW!** Multi-language on-screen keyboard
- **NEW!** Customizable screensaver
- Built-in microphone and speakers
- 5 soft-touch capacitive buttons
- Single-wire Ethernet connectivity
- PoE network powered
- Universal mounting bracket option
- Available tabletop and flush wall mount options
- Available in black or white finish

Room Scheduling with Style

The TSS-752 marries the sleek style of Crestron TSW Series touch screens with **advanced room scheduling functionality** to deliver a consistent appearance throughout your facility. As **part of a complete Fusion RV® room scheduling system,** a TSS-752 can be installed at the entrance to every conference room, providing an immediate view of each room's status. Using the TSS-752, anyone can **easily view details about the current meeting,** scroll through the calendar to **see the room's entire schedule,** and even book the room (or any other room) on the spot.

NEW! **TSS-752** 7" Room Scheduling Touch Screen

- Works with Crestron Fusion RV® software
- Integrates with most popular scheduling applications
- Intuitive on-screen scheduling interface
- 7" widescreen active-matrix color display
- Capacitive touch screen technology
- Smart Graphics™ support
- Crestron Fusion® multi-language support
- Occupancy sensor support via control system
- Side-mounted multi-color room status indicators
- Five soft-touch capacitive buttons
- Single-wire Ethernet connectivity
- PoE network powered
- Secured mounting to a standard electrical wall box
- Multi-surface mounting option available
- Clean, modern appearance
- Available with black or white smooth finish
- Custom programmable for non-scheduling applications with H.264 streaming video, and Rava™ SIP intercom, screensaver, and multi-language on-screen keyboard

A New View of Room Scheduling

The TSW-730 features a big, brilliant screen with **lots of space for displaying essential meeting and scheduling information** all at once. Mounted outside a room, anyone can **see at a glance if the room is in use or available,** and view details about the current meeting on the color display. A swipe of the finger across the touch screen reveals the room's entire schedule on a scrolling calendar ribbon. You can even reserve the room, or any other room, right from the touch screen.

TSW-730 7" Room Scheduling Touch Screen

- Works with Crestron Fusion RV® software
- Integrates with most popular scheduling applications
- Intuitive on-screen scheduling interface
- 7" widescreen active-matrix color display
- Capacitive touch screen technology
- Smart Graphics™ support
- Crestron Fusion® multi-language support
- Built-in proximity sensor
- Room occupancy sensor option
- 10 optional "hard key" pushbuttons
- Dual-color room status indication and button backlighting
- Custom engravable button text
- Single-wire Ethernet connectivity
- PoE+ network powered
- Versatile wall, surface, and tabletop mounting options
- Available with black or white smooth finish
- Custom programmable for non-scheduling applications with H.264 streaming video and Rava™ SIP intercom
- Also available, **TSCW-30** with built-in 3-Series® control system

“Go Anywhere” Touch Screen Control and Room Scheduling

The TPMC-4SM makes an elegant statement wherever you put it. A complete set of mounting options are offered for installation over a standard electrical box, placed on a table top, or attached to **any flat surface — even glass, granite, marble, or concrete**.

TPMC-4SM 4.3" Touch Screen

- Versatile wall, surface, and tabletop mounting options
- 4.3" widescreen color touch screen
- Smart Graphics™
- H.264 streaming video
- Crestron IP intercom
- Customizable audio feedback
- Built-in microphone and speaker
- Built-in proximity sensor
- 10 optional “hard key” pushbuttons
- Dual-color button backlighting and feedback
- Also available with white LEDs (model TPMC-4SMD)
- Custom engravable button text
- Fusion RV® room scheduling mode
- Room occupancy sensor option
- Single-wire Ethernet connectivity
- PoE network powered
- Black or white smooth finish
- Also available, **TPCS-4SM(D)** with built-in control system

Rava™ SIP Intercom & Phone — Talk To Me!

Rava SIP Intercom Technology enables hands-free VoIP communication between any two Rava-enabled Crestron touch screens, including all TSW models. Rava works over Ethernet, supporting 2-way intercom, paging, and room monitoring without any special wiring. VoIP phone capability is also possible through integration with an SIP-compatible IP phone system or SIP server, allowing hands-free telephone functionality with speed-dialing, caller ID, custom ringers, and other enhancements.

The TPMC-4SM-FD packs the power of Smart Graphics™ with Rava SIP Intercom technology to deliver **a total room control solution with the added capabilities of a hands-free phone or intercom station**. Built-in echo cancellation affords **true-duplex performance for clear, seamless voice communication**.

TPMC-4SM-FD 4.3" Touch Screen with Rava™

- 4.3" widescreen color touch screen
- Smart Graphics™
- H.264 streaming video
- Rava™ SIP intercom and phone technology
- Built-in microphone and speaker
- Customizable audio feedback
- Built-in proximity sensor
- Ten optional “hard key” pushbuttons
- Dual-color button backlighting and feedback
- Also available with white LEDs (model TPMC-4SMD-FD)
- Custom engravable button text
- Fusion RV® room scheduling mode
- Room occupancy sensor option
- Single-wire Ethernet connectivity
- PoE network powered
- Surface mount over a wall box or 2" square hole
- Black or white smooth finish

Small Size, Big Performer

At a very affordable cost, the TPMC-3SM provides a perfect room scheduling solution for use with Crestron Fusion RV® software, and affords total control over audio, video, lighting, and other functions — all in the space of a light switch.

TPMC-3SM 2.8" Wall Mount Touch Screen

- Modern, contoured appearance
- Thin profile and small footprint
- Affordable and easy to install
- Quick-access pushbuttons
- Dual-color LED button backlighting
- Also available with white LEDs (model TPMC-3SMD)
- Fusion RV® room scheduling mode
- Single-wire Ethernet connectivity
- PoE network powered
- Single-gang wall box mountable
- Available in smooth black or white

Big Touch Screens with Big Performance

A sleek design, **High-Definition Smart Graphics™**, embedded multimedia and Web browsing, and VESA mount capability make V-Panel™ touch screens our most powerful, versatile, and visually appealing large format touch screens ever. **V-Panels™ can be custom mounted using off-the-shelf display brackets and telescoping arms**. They can be mounted flush in a wall, lectern, equipment rack or console. Or, they can simply be placed on a table or countertop.

TPMC-V12 & TPMC-V15
V-Panel™ Integrated HD Touch Screens

- 15" widescreen or 12" color touch screen
- High-definition Smart Graphics™
- Onboard PC applications for Web browsing, playing digital media, and viewing digital documents
- High-performance H.264 streaming video
- Wired composite video input
- Remote annotation
- Customizable audio feedback
- Supports onscreen or external USB keyboard and mouse
- High-Speed Ethernet and Cresnet®
- Tabletop, in-wall, and VESA-compatible mounting options
- Available in white or black

Touch Screens & Remotes

V12 & V15 V-Panel™ HD Touch Screen Displays

- Same appearance and mounting options as TPMC-V
- Works with the DGE-2 Digital Graphics Engine or DVPHD-HD Digital Video Processor
- Enhanced system configurability using DigitalMedia™ technology
- High-definition Smart Graphics™
- Multi-window display of HDMI®, VGA, component, and H.264 streaming video sources
- Fully HDCP compliant
- Annotation over full-motion video images
- Embedded PC applications
- Onscreen and external USB keyboard & mouse support
- Built-in microphone and speakers

NEW! TSD-2020
V-Panel™ 20" HD Touch Screen Display

- Full HD 1920 x 1080 display resolution
- Quick-response capacitive touch screen
- Smooth, accurate on-screen writing with included annotation pen
- Works with the DGE-2 or DVPHD
- High-definition Smart Graphics™
- Onboard HDMI® and Displayport inputs
- DigitalMedia™ system integration using a DM® receiver
- Multi-window display of HDMI®, VGA, component, and H.264 streaming video sources

- Fully HDCP compliant
- Annotation over full-motion video images
- Embedded PC applications
- Built-in speakers
- Thin, lightweight design
- VESA 100x100 mountable

DGE-2
Digital Graphics Engine

- Touch screen graphics and HD video processing for V-Panels™
- High-definition 24-bit Smart Graphics™
- Embedded PC applications
- High-performance H.264 streaming video
- Dual-window, full-motion HDCP protected HD video display
- Presentation output via HDMI® or DigitalMedia™
- Built-in annotation
- Customizable audio feedback
- Audio input and output via HDMI, DM®, and balanced line-level
- Onscreen and USB keyboard/mouse capabilities

Award-Winning Ergonomics, All New Experience

The TST-602 adds Smart Graphics™ to our best selling TPS-6X Wireless Touch Screen, providing **a whole new user experience** in a slick-looking portable design.

TST-602 5.7" Wireless Touch Screen

- Advanced wireless touch screen controller
- Compact, lightweight contoured design
- 5.7" TFT active matrix color LCD display
- Capacitive touch screen technology
- Smart Graphics™
- High-performance H.264 streaming video
- Rava™ SIP intercom and phone technology
- Customizable audio feedback
- Built-in microphone and speakers
- Illuminated buttons and engravable backlit text
- No-button front bezel option included
- Dual-mode RF wireless performance – Extended Range 2.4 GHz RF plus Wi-Fi®
- Instant-Waking® behavior – like an IR remote with all the benefits of 2-way RF!
- Low-profile tabletop docking station
- Available in-wall docking station
- Compatible with existing TPS-6X docking stations
- Available in smooth black or white, or textured black finishes

Advanced Wireless Touch Screen Control

The TST-902 delivers **enhanced wireless control in an incredibly thin and stylish design.** Featuring a high-contrast 8.9" capacitive touch screen, advanced Smart Graphics™, voice recognition, Rava™ SIP Intercom, H.264 streaming video, audio feedback, Web browsing, and dual-mode RF wireless performance, the TST-902 offers **a mobile touch screen experience like no other.**

NEW! **TST-902** 8.9" Wireless Touch Screen

- Thin, lightweight design
- 8.9" LED backlit color LCD display
- Capacitive touch screen technology
- Smart Graphics™ support
- High-performance H.264 streaming video
- Rava™ SIP intercom and phone technology
- Customizable audio feedback
- Voice recognition capability
- Web browsing
- On-screen keyboard and mouse
- Customizable screensaver
- Built-in microphone and speakers
- Rear-mounted fingertip controllable pushbuttons
- Dual-mode RF wireless performance — Extended Range 2.4 GHz RF plus Wi-Fi®
- Instant-Waking® behavior — like an IR remote with all the benefits of 2-way RF!
- Field-replaceable Li-Ion battery pack
- Available table and wall charging docks

Handheld Wireless Touch Screen

The MTX-3 offers handheld touch screen versatility with ultra-dependable infiNET EX® wireless technology. Rock-solid 2-way RF communications with Instant-Waking® ensures **seamless interaction between all your technology and the way you teach, work, and live**. Control your AV presentation or home theater, adjust audio and lighting in any room, and even browse your media library, all through one stylish, ergonomic device.

MTX-3

2.8" Handheld Wireless Touch Screen w/infiNET EX®

- Sleek and ergonomic handheld design
- Instant-Waking® behavior
- Works like an IR remote — with all the benefits of 2-way RF!
- Ultra-reliable infiNET EX wireless communications
- 75' RF range (typical)
- Easy range extension using infiNET EX expanders
- Built-in speaker for customizable WAV file audio feedback
- Widely-spaced tactile pushbuttons
- White EL backlit button text
- 2.8" active matrix color touch screen display
- High display brightness and contrast
- Wide 150 degree viewing angle
- Customizable 16-bit color graphics
- Dynamic text capability
- Long-lasting LiPo rechargeable battery pack
- Low-profile tabletop docking station included

Low-cost infiNET EX® Remote with Color Display

The MLX-3 affords intuitive control for an entire boardroom, classroom, or custom home through **a brilliant user interface that's simple to use — and just as simple to configure**. Featuring customizable scrolling menus and full-color icons, the MLX-3 makes it easy to select your room, pick a media source, choose a radio station, TV channel, or media title, and even access lighting and other environmental controls — all without having to flip through endless confusing pages of static buttons.

MLX-3 Color LCD Handheld Wireless Remote w/infiNET EX®

- Rugged and ergonomic handheld design
- 2" active matrix color LCD display
- Intuitive menu-driven user interface
- Easy scroll wheel navigation
- True-feedback and dynamic text capability
- Full-color icons and status indicators
- Text search capability via multi-tap keypad
- Smooth, responsive hard buttons
- Adjustable backlit button text
- Ultra-reliable infiNET EX wireless communications
- 75' RF range (typical)
- Easy range extension using infiNET EX expanders
- Instant-Waking® behavior
- Works like an IR remote — with all the benefits of 2-way RF!
- Powered by four AA lithium or alkaline batteries

Crestron Control® for Smart Devices

Take full control of your home, boardroom, or classroom using the one device that goes with you everywhere. The Crestron® app **turns your iPhone®, iPod touch®, iPad®, or Android™ device into the ultimate mobile Crestron touch screen,** enabling control of home theater and whole-house AV, boardroom and classroom multimedia, lighting, shades, climate control, security, and other systems from virtually anywhere.

NEW! Crestron® App
Control App for Apple® iOS® and Android™

- Compatible with iPhone®, iPad®, and iPod touch®
- **NEW!** Compatible with Android™ smartphones and tablets
- Extensively customizable user interface
- Control of lights, media, climate, security and more
- Real-time status feedback and metadata
- Smart Graphics™ support
- Rava™ SIP Intercom support
- Live streaming video from security cameras
- Seamless integration with third-party apps
- SSL secured communication
- Requires no special server or 3rd-party service
- Programmed just like a Crestron touch screen
- Free demo download
- In-app purchase enables full version

iPanel™ Docks for iPad Air™

The iPad Air™ offers a very popular choice for controlling any Crestron system. Our stylish iPanel™ docks **transform the iPad Air into a stationary Crestron touch screen** for any application requiring a tabletop or wall mount docking solution.

NEW! IDOC-PAD-LCA-DS
iPanel™ Table Dock for iPad Air™

- Enables stationary tabletop touch screen control
- Affords seamless control system integration using the Crestron® App
- Charges the iPad Air while docked
- Retains use of the device's microphone, speaker, camera, and buttons
- Allows for easy docking and undocking
- Available in smooth white or black finishes

continued...

NEW! IDOC-PAD-LCA-DSWC
iPanel™ Wall Dock for iPad Air™

- Enables stationary wall mount touch screen control
- Charges the iPad Air while docked
- Retains use of the device's microphone, speaker, camera, and buttons
- Allows for easy docking and undocking
- Invertible for left or right-hand docking access
- Includes locking kit for permanent wall docking
- Powered via PoE, Cresnet®, or power pack
- Supports 2-gang US, UK, or European electrical wall box mounting
- Can be mounted directly to drywall or paneling over a cutout
- Installs easily in place of many older Crestron touch screens
- Compatible with TSW-UMB Universal Mounting Bracket
- Pre-construction and masonry mounting options available
- Protrudes just 1" (26 mm) from the wall surface
- Available in smooth white or black finishes

Crestron Makes Smart TVs even Smarter

Control the lights, shades, and temperature in any room without interrupting your favorite show. The Crestron® App for Samsung Smart TV® lets you control things in your home or business from **a customizable onscreen menu on your Samsung Smart TV.**

Crestron® App for Samsung Smart TV®

- Compatible with 2012 or later Samsung Smart TV® models
- Provides custom configurable control menus for AV, HVAC, lights, and shades
- Allows AV source selection, volume, and mute control
- Enables setting temperature, and controlling lights and shades for multiple rooms
- Provides dynamic text alerts for all types of functions
- Works with any remote including Samsung®, Crestron®, or universal
- Can be set to launch automatically when TV is turned on
- Supports multiple TVs running individually tailored apps
- Free download through Smart Hub

XPanel featuring Smart Graphics™

Crestron was the first in the industry to offer an IP-based remote control solution, unleashing the vast possibilities for controlling, monitoring, and managing integrated systems over a LAN, WAN, and the Internet. Today's XPanel technology with Smart Graphics™ affords an incredibly robust IP control platform to deliver **advanced virtual touch screen control through any popular Web browser,** or as a desktop application, whether running on a Mac® or Windows® PC.

XPanel Crestron Control® for Computers

- Virtual Crestron touch screen control on a computer
- Compatible with Windows®, Mac®, and other platforms
- Runs as a desktop application or in a Web browser
- Supports Smart Graphics™
- Programmed just like a Crestron touch screen or mobile app
- Can be generated instantly from an existing touch screen or mobile project
- Communicates directly over IP with a Crestron control system
- No special servers or service fees required

Speakers — the Look and Sound of Crestron

Available for a complete range of commercial and residential applications, Crestron speakers are **designed to deliver excellent speech intelligibility and full, rich music reproduction** for use in custom homes, boardrooms, classrooms, restaurants, night clubs, retail spaces, houses of worship, and convention facilities. Solid construction and numerous feature enhancements ensure a **quick and easy installation and years of reliable performance**.

Essence®

Aspire®

Excite®

Saros®

AIR®

Saros® SR Series
2-Way Surface Mount Speakers

- High-performance 2-way surface mount loudspeakers
- Designed for high reliability in indoor and outdoor applications
- 4, 6.5, or 8" polypropylene woofers with damped cloth surrounds for tight, controlled bass, and clear midrange
- Optimized dual front ports for enhanced low-frequency response
- Horn-loaded titanium dome tweeters for crisp, clear high-end and enhanced pattern control
- Rigid ABS construction with powder coated aluminum grilles
- Versatile and easy-to-install “QuickBall” mounting system
- May be mounted over an electrical box or to a light pole
- Tool-free clamp mechanism allows 360° rotation and continuously variable positioning
- Up to 200 Watts program power handling at 8 Ohms (SR8T)
- Built-in 70/100V multi-tap transformer
- Available in black or white – paintable to blend with surroundings

NEW! Saros® PD Series
2-Way Pendant Speakers

- High-performance suspended speaker for open-ceilings
- Weather-resistant for use under eves and in semi-enclosed spaces
- 4, 6.5, or 8" polypropylene woofer with damped cloth surround for tight, controlled bass and clear midrange
- Optimized dual front ports for enhanced low-frequency response
- Horn-loaded titanium dome tweeter for crisp, clear high-end and enhanced pattern control
- Rigid glass fiber reinforced ABS construction
- Magnetically attached steel grilles
- Includes wire rope hanger assembly for attachment to ceiling truss
- 8 Ohms nominal impedance
- Built-in 70/100V multi-tap transformer
- Available in black or white – paintable to blend with surroundings

NEW! Saros® PDS8T
8" Pendant Subwoofer

- High-performance suspended subwoofer
- 8" low frequency driver
- 35 to 250 Hz frequency range
- 8 Ohms nominal impedance
- Built-in 70/100V multi-tap transformer
- Same enclosure as the PD8T

Saros® IC Series
2-Way In-Ceiling Speakers

- High-performance 2-way in-ceiling loudspeaker
- 4, 6.5, or 8" polypropylene woofer with damped cloth surround for tight, controlled bass and clear midrange
- Optimized dual front ports for enhanced low-frequency response
- Horn-loaded titanium dome tweeter for crisp, clear high-end and enhanced pattern control
- “Zero-bezel” frameless grille for a clean, contemporary appearance
- Integral aluminum back can with top and side conduit knockouts
- Two-step toggle clamps for fast, easy installation
- Includes tile bridge for installation in drop-tile ceilings
- Suitable for installation in a plenum ceiling
- Up to 200 Watts program power handling at 8 Ohms (IC8T)
- Built-in 70/100V multi-tap transformer
- Available in black or white – paintable to blend with surroundings

NEW! Saros® ICS8T
8" In-Ceiling Subwoofer

- 8" low frequency driver
- 35 to 250 Hz frequency range
- 8 Ohms nominal impedance
- Built-in 70/100V multi-tap transformer
- Same enclosure as the IC8T

NEW! Saros® Express ICE Series
Express 2-Way In-Ceiling Speakers

- Same appearance, dimensions, and time-saving installation features as Saros IC4T, IC6T, and IC8T
- Lower cost components for budget-conscious applications

NEW! Saros® ICLP Series
Low-Profile 2-Way In-Ceiling Speakers

- Designed to fit shallower ceiling spaces
- Same quality components and time-saving installation features as Saros IC6T and IC8T
- Requires only 5 1/8" mounting depth

NEW! Saros® Express ICELP Series
Low Profile 2-Way In-Ceiling Speakers

- Designed to fit shallower ceiling spaces
- Same features as Saros Express ICE6T and ICE8T
- Requires only 5 1/8" mounting depth

Excite® IW & IC Series
2-Way In-Wall & In-Ceiling Speakers

- 5.25, 6.5, or 8" polypropylene woofers
- Treated cloth dome tweeters
- Swivel tweeters for precise coverage optimization
- Steel composition woofer baskets
- Paintable ABS plastic baffles with aluminum grilles
- Easy-to-install toggle clamp mounting system
- Front accessible high and low frequency contour switches
- 8 Ohms nominal impedance
- Sold in pairs

Aspire® IW & IC Series
2-Way In-Wall & In-Ceiling Speakers

- Audiophile performance
- 5.25, 6.5, or 8" woven poly-glass composite woofers
- 1" advanced synthetic polymer dome tweeters
- 4th order crossovers

- Steel composition woofer baskets
- Vented pole pieces
- “Zero-bezel” frameless steel grilles, paintable
- Choice of round or square ceiling grilles
- Spring-loaded toggle clamp mounting system
- 8 Ohms nominal impedance
- Sold in pairs

Essence® IW & IC Series
2-Way In-Wall & In-Ceiling Speakers

- Ultimate performance
- 5.25, 6.5, or 8" woven Kevlar® woofers
- 1.1" advanced synthetic polymer dome tweeters
- Precision 4th order crossovers
- Cast aluminum woofer baskets
- Extra large magnets and vented pole pieces
- “Zero-bezel” frameless steel grilles, paintable
- Choice of round or square grilles
- Spring-loaded toggle clamp mounting system
- 8 Ohms nominal independence
- Sold in pairs

NEW! Aspire® IWS82
In-Wall Subwoofer

- Dual 8" woven poly-glass composite drivers
- Steel composition baskets
- Eight-layer voice coils
- 32 to 120 Hz frequency range
- 200 Watt power handling
- 8 Ohms nominal impedance
- “Zero-bezel” frameless steel grille, paintable

AIR® SR Series
2-way Surface Mount Outdoor Speakers

- Designed for indoor and outdoor applications
- 4, 6.5, or 8" polypropylene woofers
- Optimized dual front ports
- Titanium dome tweeters
- Rigid ABS plastic construction
- Powder coated aluminum grilles
- Versatile and easy-to-install “QuickBall” mounting system
- 360° rotation and continuously variable positioning
- 8 Ohms nominal impedance
- Available in black or white, paintable
- Sold in pairs

Harmonize With Nature using Landscape Speakers

Crestron AIR® Landscape Speakers **deliver high-performance audio to all corners of your property**. These unimposing weatherproof speakers blend in wherever you put them while providing sound quality rivaling any great indoor speaker. **Get the full impact of your music outdoors** with rich, deep bass provided by the AIR IGS82T In-Ground Subwoofer.

NEW! AIR® LS Series Landscape Speakers

- 2-way outdoor speakers
- Choice of 4" or 6.5" coaxial drivers
- Includes options for stake or surface mounting
- Attractive bronze textured finish
- 8 Ohms nominal impedance
- Built-in 70/100V transformer
- Sold in pairs

NEW! AIR® IGS82T In-Ground Subwoofer

- Dual 8" low-frequency drivers
- Designed for direct burial
- Bronze textured portal cap
- 22 to 120 Hz frequency range
- 200 Watt power handling
- 8 Ohms nominal impedance
- Built-in 70/100V transformer
- Sold individually

ENERGY STAR® Qualified Power Amplifiers

Crestron AMP-series Commercial Power Amplifiers provide **a perfect combination of high output and efficiency** for all types of professional audio applications. 100% Crestron engineered and built, these amplifiers are ENERGY STAR qualified to **enable organizations to fulfill their green initiatives without compromising on audio performance**. Advanced design features include a high-efficiency amp topology with active power factor corrected power supply, delivering a generous amount of power in a space-saving 1U rack-mountable chassis.

AMP-Series All Models

- Ultra-efficient space-saving design
- Low total cost of ownership
- High-output power, low noise, low distortion performance
- Individual channel power control via jumper or remote contact
- Auto power-down after 30 minutes of no signal
- Instant auto power-on when an input signal is detected
- No inrush current during power-up
- Over current and DC offset protection per output
- Thermal protection on the power supply and each channel
- Front panel signal, clip, and fault indicators per channel
- Professional balanced inputs
- Detachable terminal block connectors
- Rear panel ±10dB input level controls
- Convection cooled - no noisy fans
- Single-space 1U rack mountable
- Universal power supply with active power factor correction

continued...

AMP-2210S & AMP-3210S
Commercial Power Amplifiers, 4/8Ω

- Choice of two or three channel models
- Each channel rated 210W@4Ω and 120W@8Ω
- Channels one and two bridgeable for 420W@8Ω
- Lightweight and under 11" deep

AMP-2210T & AMP-3210T
Commercial Power Amplifiers, 4/8Ω or 70/100V

- Choice of two or three channel models
- Each channel selectable for 4/8Ω, 70V, or 100V operation
- Each channel rated 210W@4Ω, 120W@8Ω, and 120W@70/100V
- Channels one and two bridgeable for 420W@8Ω
- Transformer isolated 70 and 100 Volt outputs
- Under 15" deep

AMP-2210HT Commercial Power Amplifier, 4/8Ω or High-Power 70V

- 2 channels
- Each channel selectable for 4/8Ω or 70V
- Each channel rated 210W@4Ω, 120W@8Ω, and 210W@70V
- Under 15 inches deep

Go Anywhere Compact Audio Amplifiers

Crestron MP-AMP Series amplifiers are designed to fit where other amplifiers can't go. They're even **suitable for installation above a plenum-rated ceiling**, perfect for use in classrooms and conference rooms with a single projector or flat panel display. Compact and affordable, these ENERGY STAR® qualified amplifiers feature a smart combination of **energy-saving features to maximize efficiency for a low total cost of ownership**.

MP-AMP40

Media Presentation Audio Amplifiers, 70V or 100V

- Compact single-channel power amplifier
- ENERGY STAR® qualified
- 40 Watts at 70 or 100 volts (mono)
- Transformer isolated output
- High-efficiency Class D topology
- Energy saving design reduces power consumption when idle
- Convection cooled for noiseless operation
- Simple volume, bass, and treble adjustments
- Electronic short-circuit and overload protection
- Detachable terminal block speaker connection
- Balanced line input via detachable terminal block
- Unbalanced RCA line input
- Built-in stereo to mono summing
- Includes surface mounting brackets
- Suitable for installation within a plenum-rated suspended ceiling

MP-AMP30
Media Presentation Audio Amplifier, 4/8 Ω

- Compact stereo power amplifier
- 15 Watts per channel into 8 or 4 Ohms
- Stereo or mono-summed operation
- High-efficiency Class D topology
- Energy saving design reduces power consumption when idle
- Convection cooled for noiseless operation
- Simple volume, bass, and treble adjustments
- Built-in loudness contour circuit
- Electronic short-circuit and overload protection
- Detachable terminal block speaker connections
- Unbalanced RCA line input
- Integral surface mounting flanges
- Suitable for installation within a plenum-rated suspended ceiling

Hassle-Free Voice Lift for Classrooms and More

FreeSpeech® provides an advanced wireless microphone solution designed to deliver reliable, hassle-free operation for K-12 or college classrooms and CaptureLiveHD™ systems. **Just press the "ON" button and go**. FreeSpeech handles everything automatically, letting instructors and presenters **move freely and speak naturally**.

MP-FS100 PAK FreeSpeech® Single-Channel Wireless Mic System Package

- Easy-to-use, highly-reliable speech reinforcement
- Ideal for K-12 primary education classrooms
- Includes one wireless mic, charger, and receiver
- One-piece wireless microphone is incredibly small and light
- Unobtrusive magnetic lapel clip or lanyard wearability
- Full operation via buttons built into the mic
- Mic mutes automatically if the instructor leaves the room
- Automatically turns down the program source whenever the instructor speaks
- Sounds natural and maintains consistent speech levels
- Built-in "Alert" button
- Advanced 2.4GHz RF + IR wireless technology
- Prevents interference with adjacent rooms
- Lasts 6 hours on a single charge
- Built-in 30 Watt stereo amplifier and line output
- Two stereo line inputs for a DVD player or computer
- Built-in master volume, bass, and treble adjustments
- High-efficiency, energy-saving design

MP-FS200 PAK FreeSpeech® Dual-Channel Wireless Mic System Package

- Adds a second wireless microphone for student participation or a second instructor
- Includes one tabletop mic stand

Powerful, Scalable Multi-Zone Audio

Sonnex® is simply **the best sounding, most powerful audio distribution solution on the market**. Featuring high output power, high efficiency, advanced DSP, flexible configuration, and integrator-friendly setup, Sonnex is ideal for restaurants, sports bars, night clubs, hotels, banquet halls, and custom homes. **Sonnex is engineered to integrate perfectly with DigitalMedia™** to form a total media distribution solution with minimal wiring — and minimal headaches.

Sonnex is fully scalable using expansion units that can be placed centrally or remotely, with **simple hookup using a single shielded CAT5e or fiber optic cable**. Start with the SWAMP-24X8 at your head end, and add up to eight SWAMPE or SWE expanders for an astounding seventy-four stereo zones of robust, audiophile sound quality. A generous twenty-four inputs are provided at the head end to handle analog and digital sources.

Additional features include an expanded assortment of digital and analog line level outputs via the SWE-8 unamplified switcher, support for driving 70V or 100V speaker lines via the SAT-70V/100V output transformer, and Sonnex Link signal extension using the S-EXT1-S fiber extender.

SWAMP-24X8 Sonnex® Multiroom Audio System

- Advanced multi-zone audio distribution
- Robust, high-efficiency audiophile grade amplification
- 140 Watts/Ch. @ 8 Ohms, 400 Watts/Ch. Bridged
- Eight amplified stereo zone outputs
- Two additional S/PDIF stereo zone outputs
- Output Bussing—Link multiple adjacent zones
- Bridgeable outputs—Extra power for large or noisy areas
- Sonnex Link—One-wire interface to 8 expanders up to 200 feet away
- Balanced, unbalanced, and S/PDIF inputs
- Direct connection to Crestron Interface for iPod®

- Volume, bass, treble, loudness, and selectable “tone profiles”
- 5-band graphic or parametric EQ per zone
- Dynamic Range Control—Maintains even listening levels
- Speaker Profiles—Preset speaker settings for fast, easy commissioning
- Sonnex Speaker Protect™—Extends headroom while preventing damage
- Energy-saving individual zone power control and global standby
- Streamlined setup and adjustment
- Remote fault monitoring
- Seamless Crestron system integration
- Heavy duty detachable terminal blocks
- Low power consumption, cool-running operation
- Compact 4-space 19" rack-mountable

Add four or eight stereo amplified zones supporting full room control and source selection, with advanced DSP, speaker profiles, output bussing, mono summing, amplifier bridging and monitoring. While the main SWAMP-24X8 unit resides in the central equipment rack, the SWAMPE Expanders are designed for installation at a remote location near the rooms it serves. Minimizes speaker wiring for higher performance and efficiency, and faster, easier and less expensive installations.

SWAMPE-4 & SWAMPE-8
Sonnex® Multiroom Audio Expanders

- Adds four or eight amplified stereo zone outputs
- Provides same performance and room functionality as the SWAMP-24X8
- Connects to SWAMP-24X8 via a single shielded CAT5e
- Receives up to twenty-four sources from over a single shielded CAT5e
- Three-space rack mountable
- Save time and money on installations

SWE-8
Sonnex® Multiroom Audio Unamplified Expander

- Unamplified 8-Zone Sonnex expansion with line-level outputs
- Four zones with balanced and unbalanced line outputs
- Four zones with S/PDIF digital outputs
- All eight zones also include Crestron Home® CAT5 balanced outputs
- Professional-quality audio performance
- Advanced DSP, mono summing, and output bussing per zone
- Single-cable interface to SWAMP-24X8 via Sonnex Link
- Plug-and-play operation
- Single-space rack mountable

SAT-70V/100V Sonnex® Output Transformers

- Allows the use of 70 or 100 Volt speakers with any Sonnex® system
- Enables the connection of multiple speakers to a single amplifier output
- Enables the use of small gauge wire for long runs
- Provides full transformer isolation
- Rated 120 Watts at 70 or 100 Volts per channel
- 40 Hz to 20 kHz (±1 dB) frequency response
- 2 and 4 channel models available
- Single-space rack mountable

S-EXT1-S Sonnex® Link over Fiber Extender

- Extends the Sonnex Link up to 2000" over one multimode fiber strand
- Transports twenty-four stereo channels of digital audio and control
- Protects against lightning surges for outdoor runs

Simple Audio Signal Extension

Crestron Audio over CAT5 Extenders **allow audio sources in any room to be integrated into the whole-house experience** by providing one or more audio return channels over one wire. For any audio application, Crestron Audio over CAT5 Extenders enable the extension of analog or digital audio signals over a single CAT5 (or better) UTP cable.

AUD-EXT Audio over CAT5 Extenders

- Extends analog or digital audio signals over a single CAT5
- Provides an audio return channel solution for any multiroom audio system
- **AUD-EXT-100** extends one unbalanced stereo signal up to 2000' (610 meters)
- **AUD-EXT-200** extends two unbalanced stereo signals up to 2000' (610 meters)
- **AUD-EXT-201** extends one unbalanced stereo signal and two S/PDIF signals up to 600' (183 meters)
- **AUD-EXT-202** extends two S/PDIF signals up to 600' (183 m)
- Completely passive — no power required
- Surface mountable or attach to a single rack rail
- Up to 3 units fit side-by-side on a 1U 19" rack shelf

World Class Surround Sound — Designed for Integration

PROCISE™ PROCISE® delivers **a high-definition 7.3 surround sound solution for high-end boardrooms and custom theater installations**. Using the finest components and a propriety combination of advanced features and innovative technologies, PROCISE fulfills the myriad design challenges and performance expectations of the high-end custom market.

PSPHD PROCISE® High-Definition Professional Surround Sound Processor

- 7.3 HD surround sound processing
- Multiple subwoofer support
- Audyssey MultEQ® XT technology
- Audyssey Dynamic EQ® and Dynamic Volume®
- HDMI® connectivity
- HD 1080p video switching
- Studio grade performance
- Supports Dolby® TrueHD and DTS-HD Master Audio™ 7.1 formats
- QuickSwitch HD® key management and switching
- Discrete signal processing for every speaker and subwoofer
- Integrated 3-channel line mixer and speech processor
- Mono and stereo down-mix outputs
- Flexible routing of any mixer input to any output
- Inputs for HDMI, AES/EBU, S/PDIF optical and coaxial sources
- Inputs for stereo and multi-channel analog sources
- XLR balanced inputs and outputs
- Exclusive PROAMP automatic amplifier pairing
- Native Crestron control
- Crestron PROCISE Tools software
- DigitalMedia™ system integration

PROAMP-7X250 & PROAMP-7X400
PROCISE® High-Definition Professional Surround Sound Amplifiers

- World-class, professional 7-channel surround sound power amplifiers
- Choice of 250 or 400 Watts per channel
- Unprecedented integration with the PSPHD for seamless control and monitoring
- Native Crestron system integration via Ethernet or Cresnet®
- Ultra-efficient hybrid design puts immense output power in minimal space
- The benefits of Class D with the warm, neutral sound quality of Class AB
- Infinitesimal noise and THD affords pure, natural audio reproduction
- Robust, isolated channel power supplies ensure maximum dynamic impact
- DC coupling affords ultimate transparency and frequency response
- Inrush current limiting for gentle power-up
- Front panel signal, clip, and fault indicators
- Expanded monitoring of temperature, faults, and signal status from PSPHD or control system
- Heavy duty detachable terminal blocks ease speaker wire termination
- 24k gold-plated XLR balanced inputs
- Five-space 19" rack-mountable

7.1 Surround Sound for Every Room

The new HD-XSP and HD-XSPA make it easy and affordable to include **high-quality surround sound in any room of the home or workplace.** The HD-XSP is ideal for integration into a commercial conference room or auditorium, while the HD-XSPA provides a perfect residential solution for adding surround sound into many different rooms as part of a whole-house AV distribution system. A unique feature set allows these processors to go places other processors can't easily go, providing **easier integration in less space at a lower cost.**

HD-XSP 7.1 High-Definition Professional Surround Sound Processor

- True 7.1 surround sound via HDMI® and balanced analog out
- High-resolution 24-bit audio signal processing and conversion
- DTS-HD®, Dolby® TrueHD, and Dolby Digital Plus decoding
- High-definition 3D video pass-thru via HDMI®
- 100% HDCP compliant
- QuickSwitch HD® technology for fast, reliable switching
- Stereo downmix via HDMI and/or balanced analog outputs
- One HDMI, one S/PDIF optical, two S/PDIF coaxial, and two analog inputs
- Balanced stereo audio mix input for sound reinforcement, paging, doorbell, or phone ringer signals — feeds left, right, and downmix outputs
- Source compensation and lip sync adjustment on every input
- Independent level, delay, crossover and parametric EQ adjustments on every surround output
- Volume, bass, treble, loudness, and compression settings for surround zone
- Volume, bass, treble, loudness, and mono settings for downmix zone
- Versatile bass management for systems with or without a subwoofer
- Color LCD front panel for setup and basic operation
- Native Crestron® system integration
- 10/100 Ethernet communications
- Simplified setup via front panel or software
- CEC pass-through from a control system via HDMI
- Single-space rack-mountable

NEW! HD-XSPA 4K Ultra High-Definition 7.1 Surround Sound AV Receiver

- True 7.1 surround sound processing
- DTS-HD Master Audio™, Dolby® TrueHD, and Dolby Digital® Plus decoding
- Built-in high-efficiency 8-channel power amplifier
- 140 Watts/Ch. @ 8 Ohms, 240 Watts/Ch. @ 4 Ohms
- Support for passive and powered subwoofers
- Four HDMI®, one S/PDIF optical, two S/PDIF coaxial, two unbalanced stereo, and one balanced stereo input
- DM 8G+™ input (HDBaseT® compatible)
- Seamless DigitalMedia™ system integration
- Supports Full HD 1080p, 3D, and 4K video signals
- Advanced HDCP management
- QuickSwitch HD® technology for fast, reliable switching
- Stereo downmix output for second zone or audio return
- Amplified stereo downmix output available in lieu of back speakers
- RS-232, IR, Ethernet, relay, and contact sensing ports
- Display and source control via CEC
- USB HID mouse/keyboard extension via DigitalMedia
- Crestron control system integration via Ethernet
- Color LCD front panel for basic setup and operation
- Front panel USB port for installer setup
- Built-in noise generator for audio setup
- DSP with 9-band graphic or parametric EQ, delay, crossover, and compression
- Speaker Profiles feature for easy, immediate equalization
- Configurable speaker protection for maximum headroom
- Per source input compensation and lip sync adjustment
- Heavy-duty detachable speaker terminals
- Intelligent amplifier protection and remote fault monitoring
- 70/100 Volt “constant-voltage” output options
- Low power consumption, cool-running operation
- Compact 2-space rack-mountable design

Budget-Conscious Multiroom Audio

The C2N-AMP-4X100 delivers **cost-effective audio distribution for up sixteen rooms** — perfect for small to moderate sized houses, condominiums, restaurants and retail spaces.

C2N-AMP-4X100 4 Room Audio System

- Affordable audio distribution for four rooms, expandable up to sixteen rooms
- Integrated amplifier delivers 50 W/Ch. @ 8Ω and 75 W/Ch. @ 4Ω
- Room outputs 1&2 and 3&4 each bridgeable for 100 W/Ch. @ 8Ω
- Independent control of volume, bass, treble, and other settings per room
- Six stereo line inputs with loop-thru for easy expansion
- Front panel controls for source selection and volume control
- Customizable front panel labelling using Crestron Engraver software or pre-printed labels provided
- Crestron® system integration via Cresnet®
- Built-in Cresnet power distribution

GUI Development and System Programming — Unified, Simplified, & *Speedified!*

The all new Crestron Studio software makes it faster to design and program the world's most advanced automation systems. In a single, unified development environment, Crestron Studio provides everything needed to create incredible touch screen GUIs and deliver an amazing user experience, while substantially reducing programming time.

Crestron Studio™
Unified Programming and GUI Design Software

- Fluidly move between tasks within one app: programming, GUI design, engraving, device setup, network configurations
- Backward compatible with 2-Series and 3-Series® SIMPL programs, user drivers, and VT Pro-e® projects
- Substantially faster, more efficient project development means higher productivity for the dealer and greater value for the customer
- Smart Graphics™, such as SmartObjects™ and Smart Applications, add rich, dynamic graphics to projects quickly
- Select from library of themes or create custom components and themes. Reuse as often as you like – change on the fly without redrawing or reprogramming
- Use Universal Upload to compile and upload to all touch screens, mobile devices and computers at the same time
- Retains existing concepts for easy adoption, but in a new, clean, customizable work environment
- Speedier, more consistent usability with global keyboard shortcuts, speed keys, and favorites
- Create multiple programs, layouts, trace windows and tools at once
- Advanced filtering, type-to-add and drag-and-drop options for adding devices and rooms
- No need to manually match join signals and .ced files

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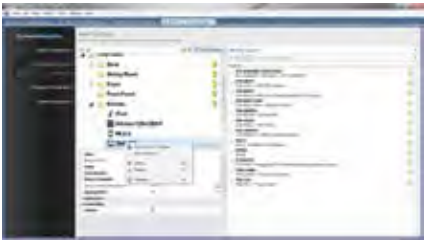
Crestron Studio™

- Jump effortlessly between views or drag any tab to a second monitor for multi-screen view
- Infinitely configurable, tear-away, zoomable workspace
- Directly launch setup tools for Sonnex®, PROCISE®, DM®, etc.
- Network configuration sets network IDs and IP table entries for you
- Automatic notification and delivery of device updates for the components you choose
- **NEW!** Automatically builds up control interfaces for touch screens, MLX-3 remotes, and mobile apps
- **NEW!** Unified AV routing technology assigns all AV programming for DigitalMedia, Sonnex, and other Crestron AV distribution products, including consistent source and volume controls throughout the project



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